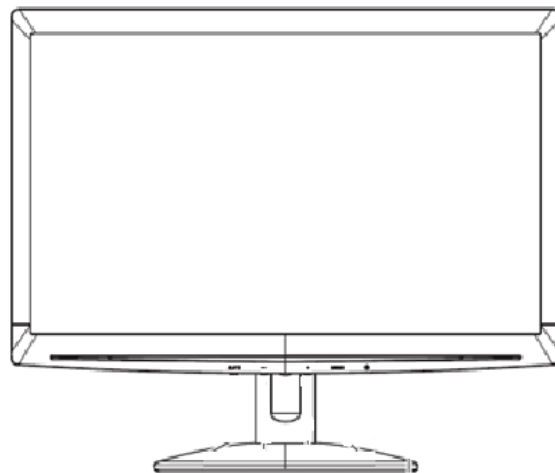


Service
Service
Service



Service Manual

Horizontal Frequency
30-60 kHz

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SAFETY NOTICE

ANY PERSON ATTEMPTING TO SERVICE THIS CHASSIS MUST FAMILIARIZE HIMSELF WITH THE CHASSIS AND BE AWARE OF THE NECESSARY SAFETY PRECAUTIONS TO BE USED WHEN SERVICING ELECTRONIC EQUIPMENT CONTAINING HIGH VOLTAGES.

CAUTION: USE A SEPARATE ISOLATION TRANSFORMER FOR THIS UNIT WHEN SERVICING

Revision List

[illegible]

Important Safety Notice

Proper service and repair is important to the safe, reliable operation of all AOC Company Equipment. The service procedures recommended by AOC and described in this service manual are effective methods of performing service operations. Some of these service operations require the use of tools specially designed for the purpose. The special tools should be used when and as recommended.

It is important to note that this manual contains various CAUTIONS and NOTICES which should be carefully read in order to minimize the risk of personal injury to service personnel. The possibility exists that improper service methods may damage the equipment. It is also important to understand that these CAUTIONS and NOTICES ARE NOT EXHAUSTIVE. AOC could not possibly know, evaluate and advise the service trade of all conceivable ways in which service might be done or of the possible hazardous consequences of each way. Consequently, AOC has not undertaken any such broad evaluation. Accordingly, a servicer who uses a service procedure or tool which is not recommended by AOC must first satisfy himself thoroughly that neither his safety nor the safe operation of the equipment will be jeopardized by the service method selected.

Hereafter throughout this manual, AOC Company will be referred to as AOC.

WARNING

Use of substitute replacement parts, which do not have the same, specified safety characteristics may create shock, fire, or other hazards.

Under no circumstances should the original design be modified or altered without written permission from AOC. AOC assumes no liability, express or implied, arising out of any unauthorized modification of design. Servicer assumes all liability.

FOR PRODUCTS CONTAINING LASER:

DANGER-Invisible laser radiation when open AVOID DIRECT EXPOSURE TO BEAM.

CAUTION-Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

CAUTION -The use of optical instruments with this product will increase eye hazard.

TO ENSURE THE CONTINUED RELIABILITY OF THIS PRODUCT, USE ONLY ORIGINAL MANUFACTURER'S REPLACEMENT PARTS, WHICH ARE LISTED WITH THEIR PART NUMBERS IN THE PARTS LIST SECTION OF THIS SERVICE MANUAL.

Take care during handling the LCD module with backlight unit

- Must mount the module using mounting holes arranged in four corners.
- Do not press on the panel, edge of the frame strongly or electric shock as this will result in damage to the screen.
- Do not scratch or press on the panel with any sharp objects, such as pencil or pen as this may result in damage to the panel.
- Protect the module from the ESD as it may damage the electronic circuit (C-MOS).
- Make certain that treatment person's body is grounded through wristband.
- Do not leave the module in high temperature and in areas of high humidity for a long time.
- Avoid contact with water as it may a short circuit within the module.
- If the surface of panel becomes dirty, please wipe it off with a soft material. (Cleaning with a dirty or rough cloth may damage the panel.)

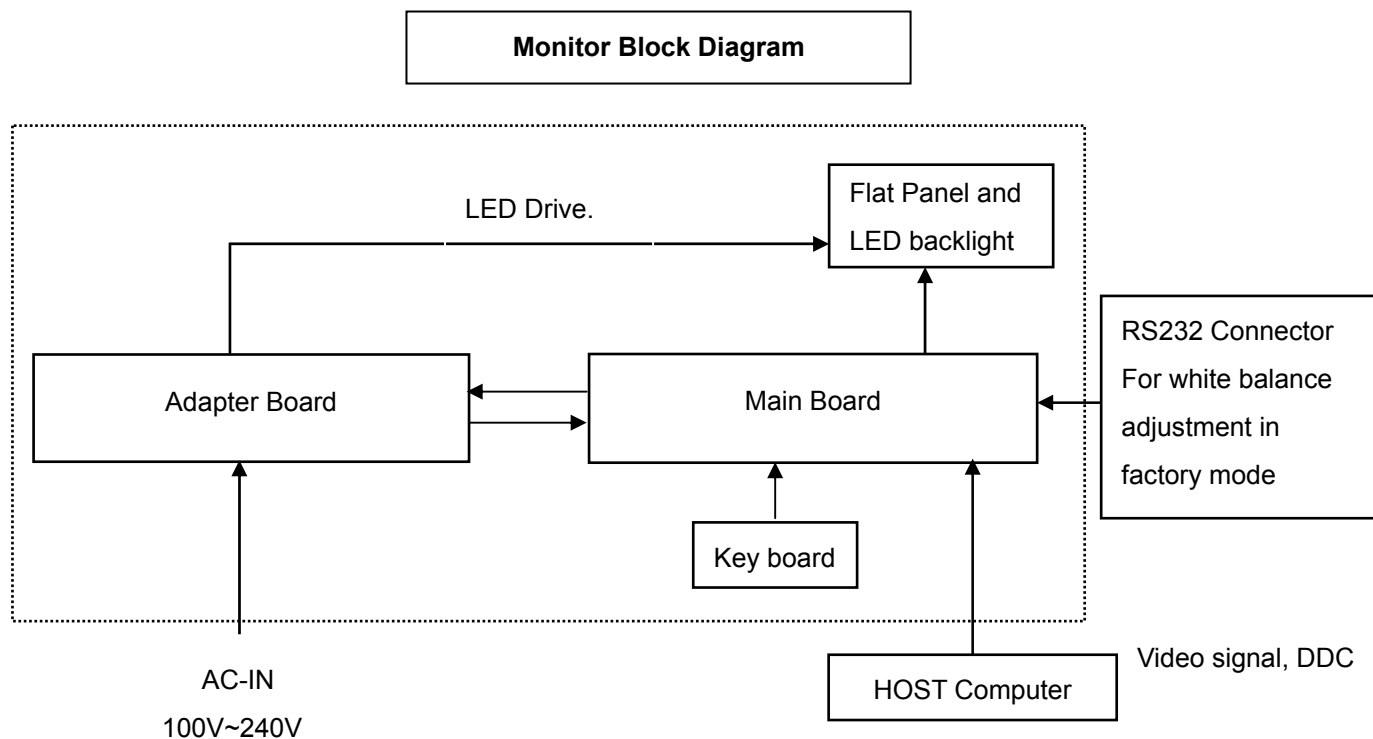
1. Monitor Specifications

LCD Panel	Driving system	TFT Color LCD
	Size	395mm
	Pixel pitch	0.252mm(H)x 0.252mm(V)
Input	Video	R,G,B Analog Interface
	Separate Sync.	H/V TTL
	H-Frequency	30kHz – 60kHz
	V-Frequency	60Hz
Display Colors		16.7M Colors
Dot Clock		85.5MHz(typ)
Max. Resolution		1366x 768@60HZ
Plug & Play		VESA DDC2B™
Power consumption	ON Mode	≤18W
	OFF Mode	≤1W
Input Connector		D-Sub 15pin
Input Video Signal		Analog:0.7Vp-p(standard), 75 OHM, Positive
Maximum Screen Size		Horizontal :344.3mm Vertical :193.5mm
Power Source		100-240VAC,50/60Hz
Environmental Considerations		Operating Temp: 0° to 40°C Storage Temp.: -20° to 60°C Operating Humidity: 10% to 85%
Weight (N. W.)		1.7kg
Dimensions		373.0 (W) x 301.2 (H) x 139.6(D)mm
	Switch	<ul style="list-style-type: none"> • Auto Adjust Key / Exit • -/ECO • +/-Image Ratio • MENU / ENTER • Power Button
External Controls:	Functions	<ul style="list-style-type: none"> • Contrast • Brightness • ECO • DCR • Focus • Clock • Image Ratio • OSD location & Time • Language • Warm • Normal • Cool • sRGB • User Color temperature • DDC/CI • Information • Reset • Exit
Regulatory Compliance		FCC,CE

2. LCD Monitor Description

The LCD monitor will contain a main board, a power board and a key board which house the flat panel control logic, brightness control logic and DDC.

The power board will provide AC to DC Inverter voltage to drive the backlight of panel and the main board chips each voltage.



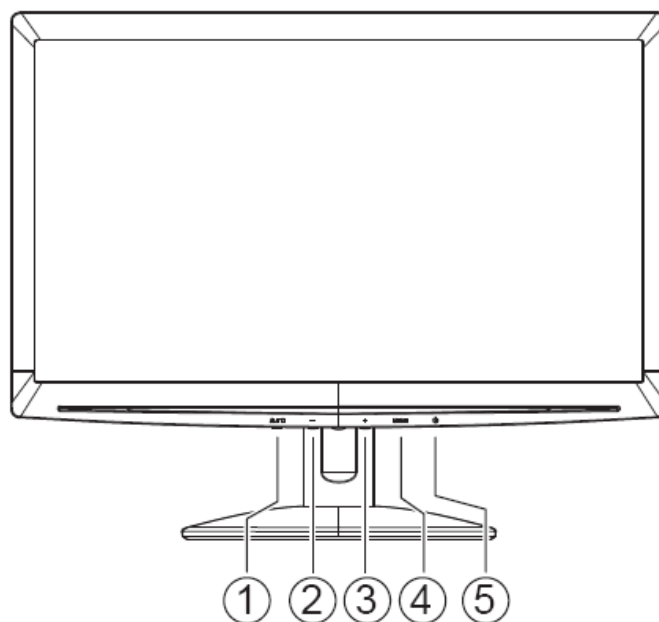
3. Operating Instructions

3.1 General Instructions

Press the power button to turn the monitor on or off. The other control buttons are located at front panel of the monitor. By changing these settings, the picture can be adjusted to your personal preferences.

- The power cord should be connected.
- Connect the Signal cable from the monitor to the VGA card.
- Press the power button to turn on the monitor position. The power indicator will light up.

3.2 Control Buttons



1.	Auto Config / Exit
2.	-/ ECO
3.	+/ Image Ratio
4.	MENU / ENTER
5.	Power Button

FRONT PANEL CONTROL

- **Power Button /Power Indicator:**

Press this button to switch ON/OFF of monitor's power.

Blue — Power On mode.

Orange — Power saving mode.

- **MENU / ENTER:**

Active OSD menu or function adjust confirm or Exit OSD menu when in volume OSD status.

- **- /ECO:**

Activates the ECO control when the OSD is OFF or navigate through adjustment icons when OSD is ON or adjust a function when function is activated.

- **+ /Image Ratio:**

Activates the Image Ratio control when the OSD is OFF or navigate through adjustment icons when OSD is ON or adjust a function when function is activated.

- **Auto Adjust button / Exit:**

1. When OSD menu is in active status, this button will act as EXIT-KEY (EXIT OSD menu).
2. When OSD menu is in off status, press this button to activate the Auto Adjustment function.

The Auto Adjustment function is used to optimize the HPos, VPos, Clock and Focus.

- **OSD Lock Function:**

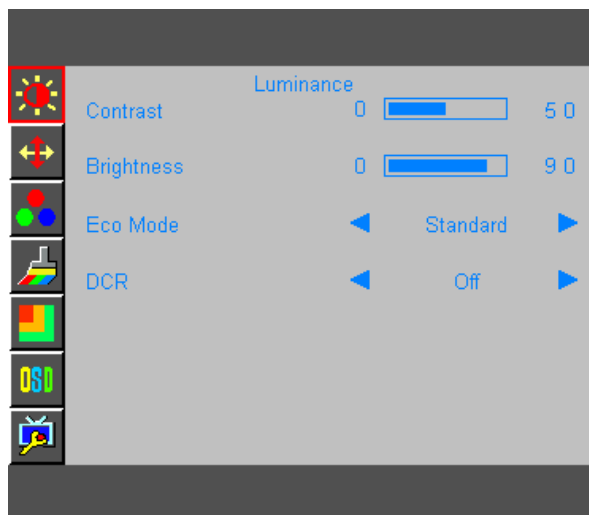
To lock the OSD, press and hold the MENU button while the monitor is off and then press power button to turn the monitor on. To un-lock the OSD - press and hold the MENU button while the monitor is off and then press power button to turn the monitor on.

NOTES:

- Do not install the monitor in a location near heat sources such as radiators or air ducts, or in a place subject to direct sunlight, or excessive dust or mechanical vibration or shock.
- Save the original shipping box and packing materials, as they will come in handy if you ever have to ship your monitor.
- For maximum protection, repackage your monitor as it was originally packed at the factory.
- To maintain the cleanness of your LCD display, wipe it periodically with clean and soft cloth. The screen may be damaged by any liquid splash.
- To keep the monitor looking new, periodically clean it with a soft cloth. Stubborn stains may be removed with a cloth lightly dampened with a mild detergent solution. Never use strong solvents such as thinner, benzene, or abrasive cleaners, since these will damage the cabinet. As a safety precaution, always unplug the monitor before cleaning it.

3.3 OSD Menu

1. Press the MENU-button to activate the OSD window.
2. Press + or - to navigate through the functions. Once the desired function is highlighted, press the MENU-button to activate it. If the function selected has a sub-menu, press + or - again to navigate through the sub-menu functions. Once the desired function is highlighted, press MENU-button to activate it.
3. Press + or - to change the settings of the selected function.
4. To exit and save, select the exit function. If you want to adjust any other function, repeat steps 2-3.








The OSD Message

ADJUSTING THE PICTURE

The descriptions for function control

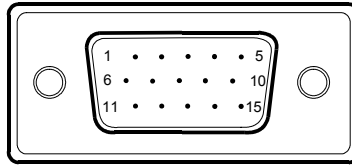
Main Menu Item	Main Menu Icon	Sub Menu Item	Sub Menu	Description
Luminance		Brightness		Backlight Adjustment
		Contrast		Contrast from Digital-register.
		Eco	Standard	Standard Mode
			Text	Text Mode
			Internet	Internet Mode
			Game	Game Mode
			Movie	Movie Mode
			Sports	Sports Mode
		DCR	Off	Disable dynamic contrast ratio
			On	Enable dynamic contrast ratio
Image Setup		Clock		Adjust Picture Clock to reduce Vertical-Line noise.
		Focus		Adjust Picture Phase to reduce Horizontal-Line noise
		H.Position		Adjust the horizontal position of the picture.
		V.Position		Adjust the vertical position of the picture.
		Image Ratio		Full/4:3

Main Menu Item	Main Menu Icon	Sub Menu Item	Sub Menu	Description
Color Temp.		Warm		Recall Warm Color Temperature from EEPROM.
		Normal		Recall Normal Color Temperature from EEPROM.
		Cool		Recall Cool Color Temperature from EEPROM.
		sRGB		Recall SRGB Color Temperature from EEPROM.
		User	User-B	Blue Gain from Digital-register
			User-G	Green Gain Digital-register.
			User-R	Red Gain from Digital-register
Color Boost		Full Enhance	on or off	Disable or Enable Full Enhance Mode
		Nature Skin	on or off	Disable or Enable Nature Skin Mode
		Green Field	on or off	Disable or Enable Green Field Mode
		Sky-blue	on or off	Disable or Enable Sky-blue Mode
		AutoDetect	on or off	Disable or Enable AutoDetect Mode
		Demo	on or off	Disable or Enable Demo

Main Menu Item	Main Menu Icon	Sub Menu Item	Sub Menu	Description
Picture Boost		Frame Size		Adjust Frame Size
		Brightness		Adjust Frame Brightness
		Contrast		Adjust Frame Contrast
		H.Position		Adjust the horizontal position of Frame
		V.Position		Adjust the vertical position of Frame
		Bright Frame	on or off	Disable or Enable Bright Frame
OSD Setup		H.Position		Adjust the horizontal position of OSD
		V.Position		Adjust the vertical position of OSD
		Timeout		Adjust the OSD Timeout
		Language		Select the OSD language
Extra		DDC/CI		Turn ON/OFF DDC/CI Support
		Reset		Reset the menu to default
		Information		Show the information of the main image and sub-image source

4. Input/Output Specification

4.1 Input Signal Connector



PIN NO.	Description	PIN NO.	Description
1.	Red	9.	+5V
2.	Green	10.	Ground
3.	Blue	11.	Ground
4.	Ground	12.	DDC-Serial Data
5.	VGA-CON	13.	H-Sync
6.	R-Ground	14.	V-Sync
7.	G-Ground	15.	DDC-Serial Clock
8.	B-Ground		

4.2 Factory Preset Display Modes

Standard	Resolution	Horizontal Frequency (kHz)	Vertical Frequency (Hz)
VGA	720 x 400	31.47	70.0
	640 x 480	31.47	60.0
WXGA	1360 x 768	47.712	60.0
	1366 x 768	47.712	60.0
XGA	1024 x 768	48.363	60.0
XGA	800 x 600	37.879	60.0

4.3 Panel Specification

4.3.1 General Features

N156B6-L0B is a 15.6" (15.547" diagonal) TFT Liquid Crystal Display module with LED Backlight unit and 40 pins LVDS interface. This module supports 1366 x 768 HD mode and can display 262,144 colors. The optimum viewing angle is at 6 o'clock direction.

4.3.2 Display Characteristics

Item	Specification	Unit
Active Area	344.232 (H) x 193.536 (V) (15.547" diagonal)	mm
Bezel Opening Area	349.58 (H) x 198.29 (V)	mm
Driver Element	a-si TFT active matrix	-
Pixel Number	1366 x R.G.B. x 768	pixel
Pixel Pitch	0.252 (H) x 0.252 (V)	mm
Pixel Arrangement	RGB vertical stripe	-
Display Colors	262,144	color
Transmissive Mode	Normally white	-
Surface Treatment	Hard coating (3H), Glare	-

4.3.3 Electrical Characteristics

1. TFT LCD MODULE

Parameter		Symbol	Value			Unit
			Min.	Typ.	Max.	
Power Supply Voltage		VCCS	3.0	3.3	3.6	V
Ripple Voltage		V _{RP}	-	50	-	mV
Rush Current		I _{RUSH}	-	-	1.5	A
Initial Stage Current		I _{IS}	-	-	1.0	A
Power Supply Current	White	I _{CC}	165	206	246	(3)a
	Black		270	335	400	(3)b
LVDS Differential Input High Threshold		V _{TH(LVDS)}	-	-	+100	mV
LVDS Differential Input Low Threshold		V _{TL(LVDS)}	-100	-	-	mV
LVDS Common Mode Voltage		V _{CM}	1.125	-	1.375	V
LVDS Differential Input Voltage		V _{ID}	100	-	600	mV
Terminating Resistor		R _T	-	100	-	Ohm
Power per EBL WG		PEBL	-	1.97		W

2. BACKLIGHT UNIT

Parameter	Symbol	Value			Unit
		Min.	Typ.	Max.	
LED Light Bar input Voltage	V _L	22.4	25.6	27.2	V
LED Light Bar input Current	I _L	114	120	126	mA
Power Consumption	P _L	2.55	3.07	3.43	W
LED Life Time	L _{RI}	15000			Hrs

4.3.4 Optical Characteristics

1. TEST CONDITIONS

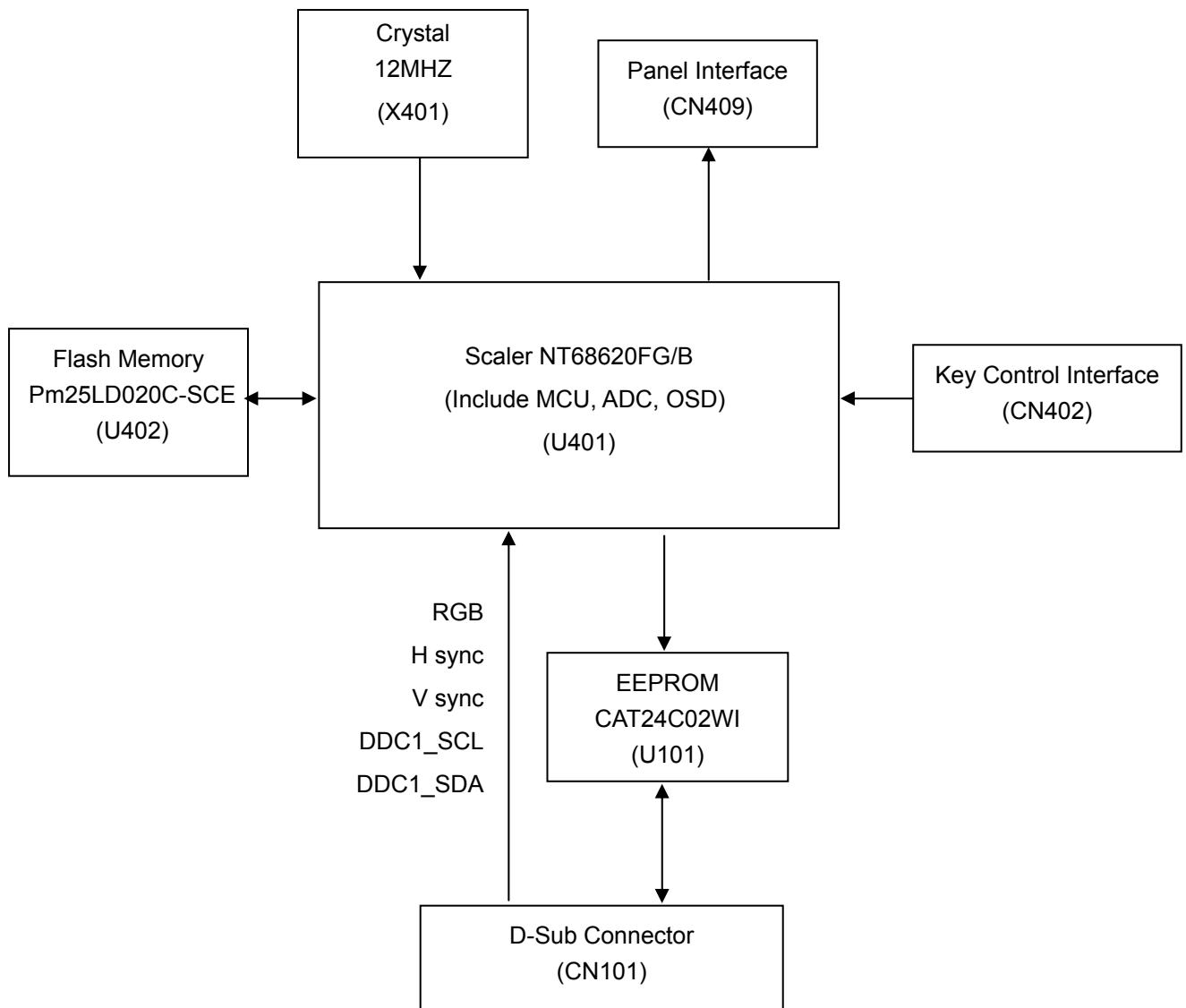
Item	Symbol	Value	Unit
Ambient Temperature	Ta	25±2	°C
Ambient Humidity	Ha	50±10	%RH
Supply Voltage	V _{CC}	3.3	V
Input Signal	According to typical value in "3. ELECTRICAL CHARACTERISTICS"		
LED Light Bar Input Current	I _L	120	mA

2. OPTICAL SPECIFICATIONS

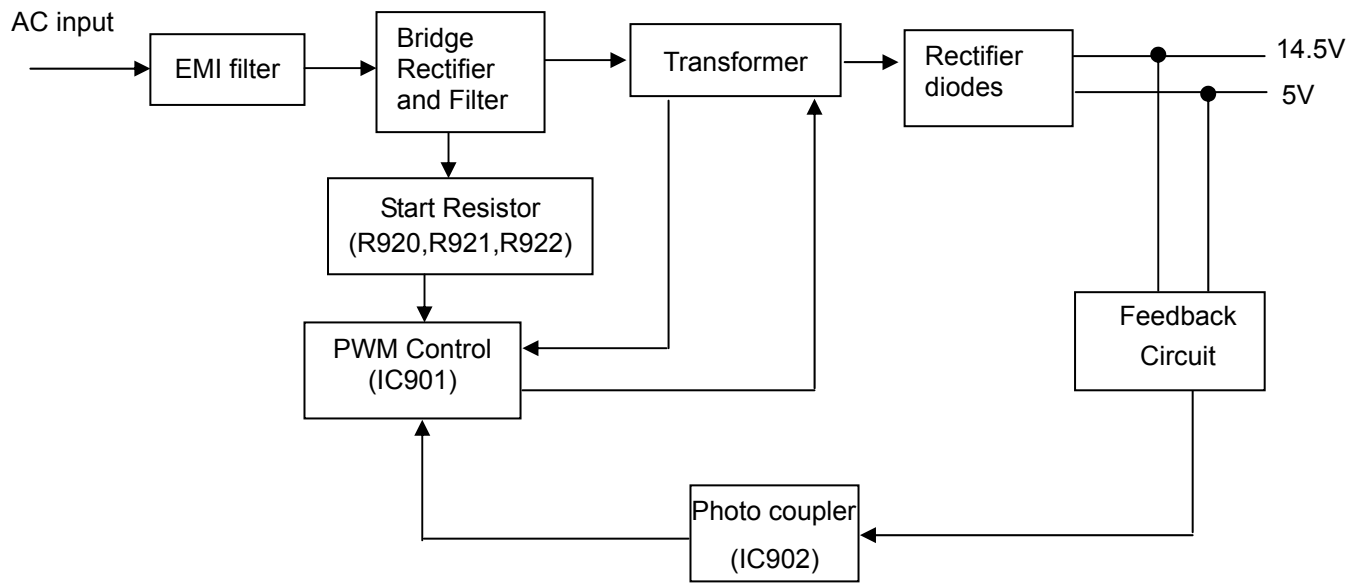
Item		Symbol	Condition	Min.	Typ.	Max.	Unit
Contrast Ratio		CR	$\theta_x=0^\circ, \theta_Y=0^\circ$ Viewing Normal Angle	500	650	-	-
Response Time		T _R		-	3	8	ms
		T _F		-	8	13	ms
Average Luminance of White		L _{Ave}		185	220	-	cd/m ²
Color Chromaticity	Red	R _x		Typ – 0.03	0.617	Typ – 0.03	-
		R _y			0.340		-
	Green	G _x			0.320		-
		G _y			0.598		-
	Blue	B _x			0.160		-
		B _y			0.084		-
	White	W _x			0.313		-
		W _y			0.329		-
Viewing Angle	Horizontal	θ _{x+}	CR≥10	40	45	-	Deg.
		θ _{x-}		40	45		
	Vertical	θ _{y+}		15	20	-	
		θ _{y-}		40	45	-	
White Variation of 5 Points		δW _{5p}	$\theta_x=0^\circ, \theta_Y=0^\circ$	80	-	-	%

5. Block Diagram

5.1 Main Board

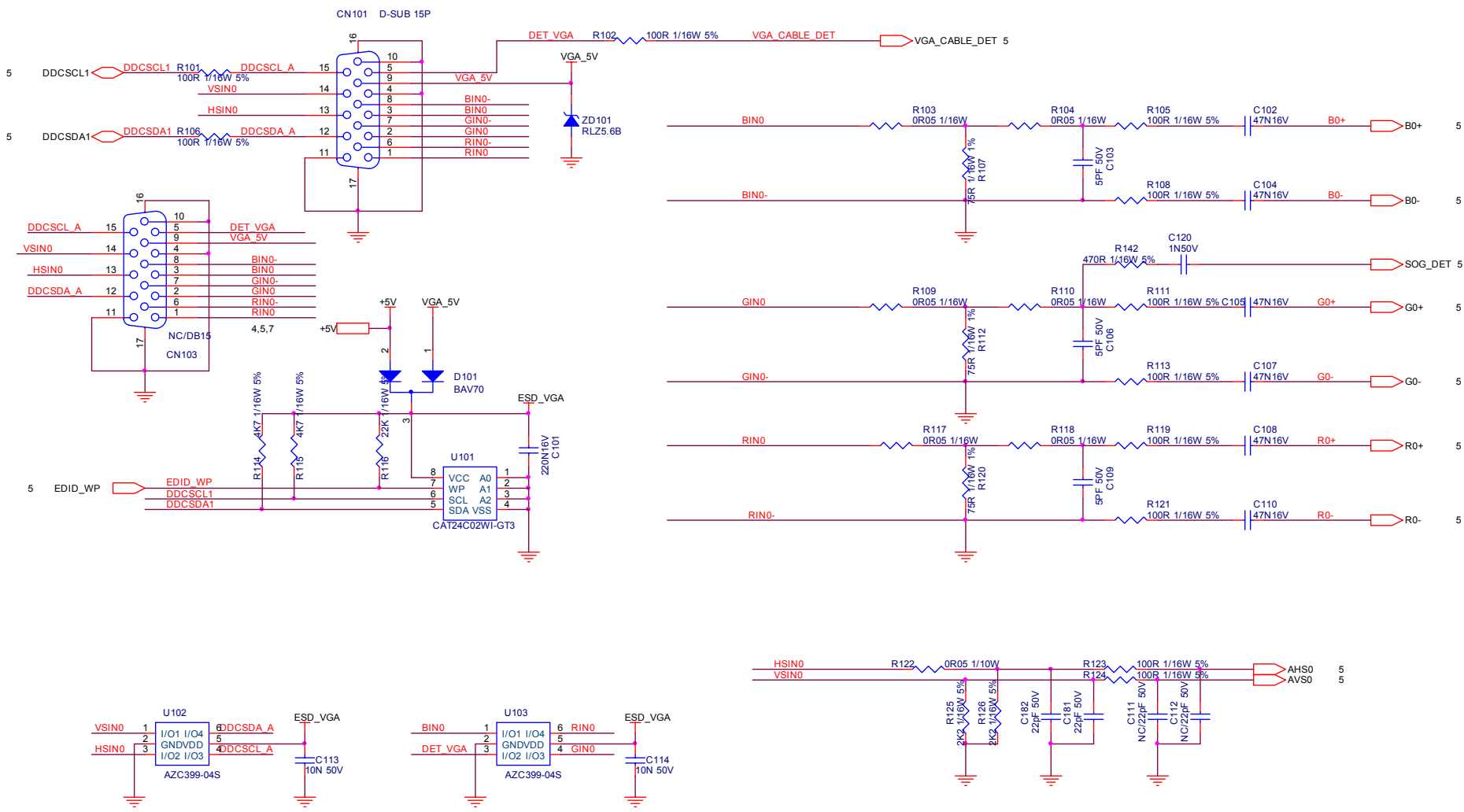


5.2 Power Board

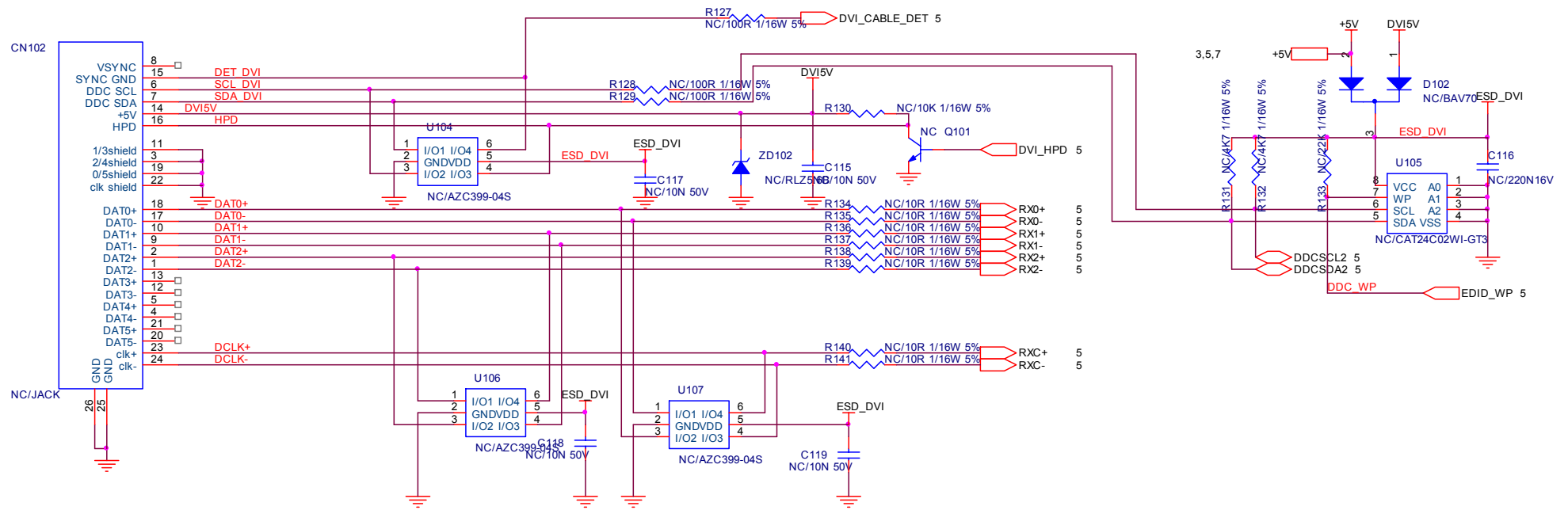


6. Schematic
6.1 Main Board

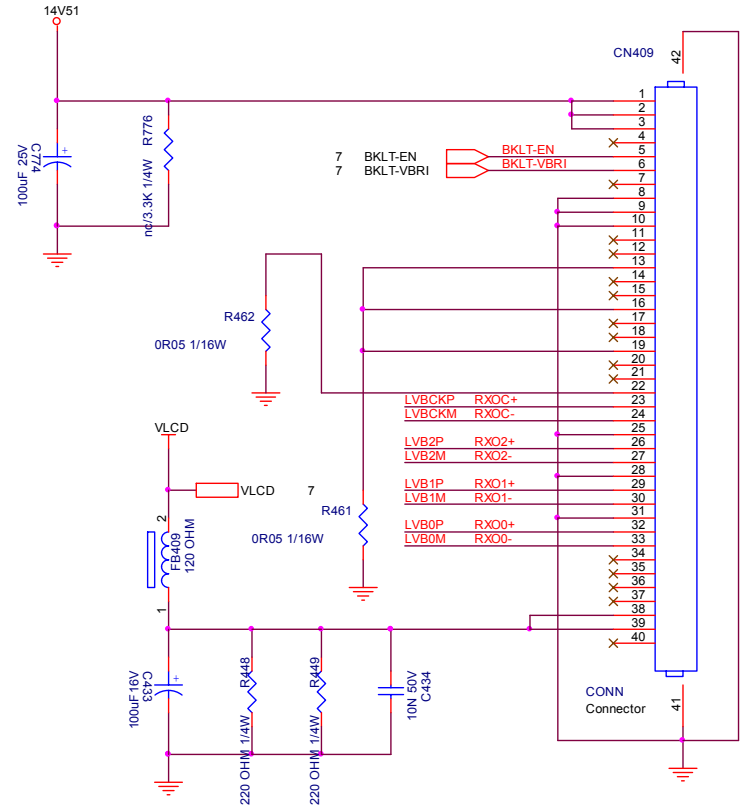
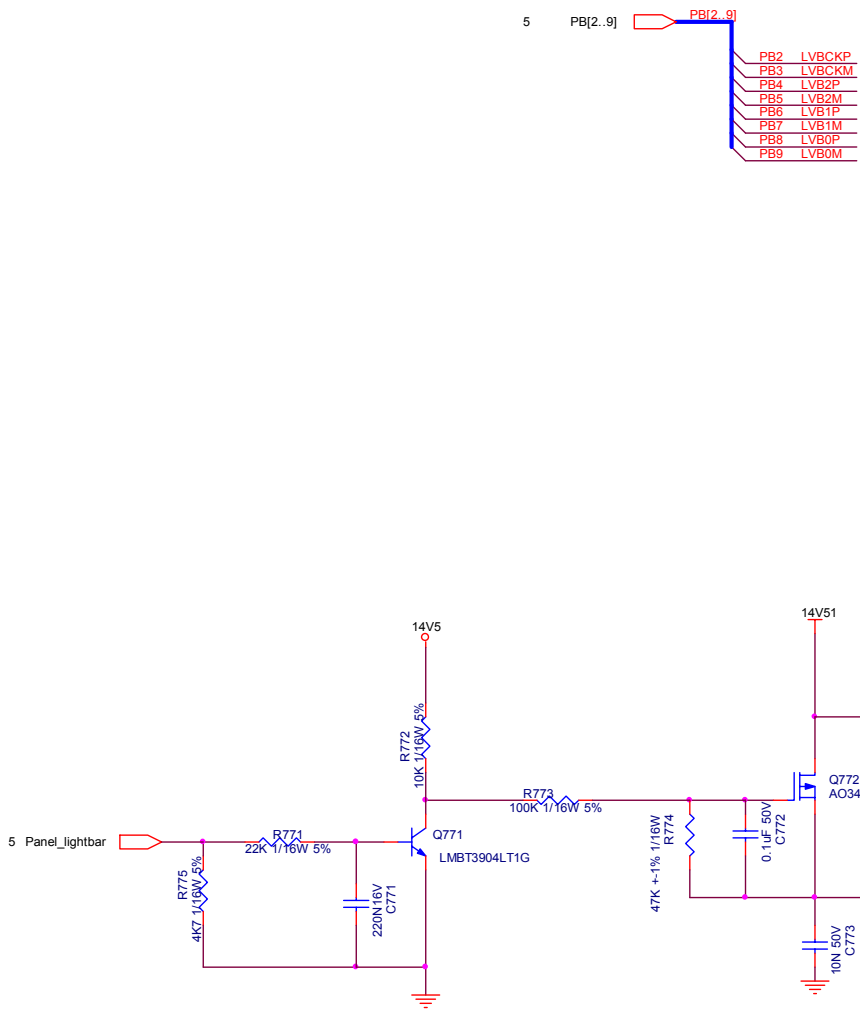
715G4870M01000004L



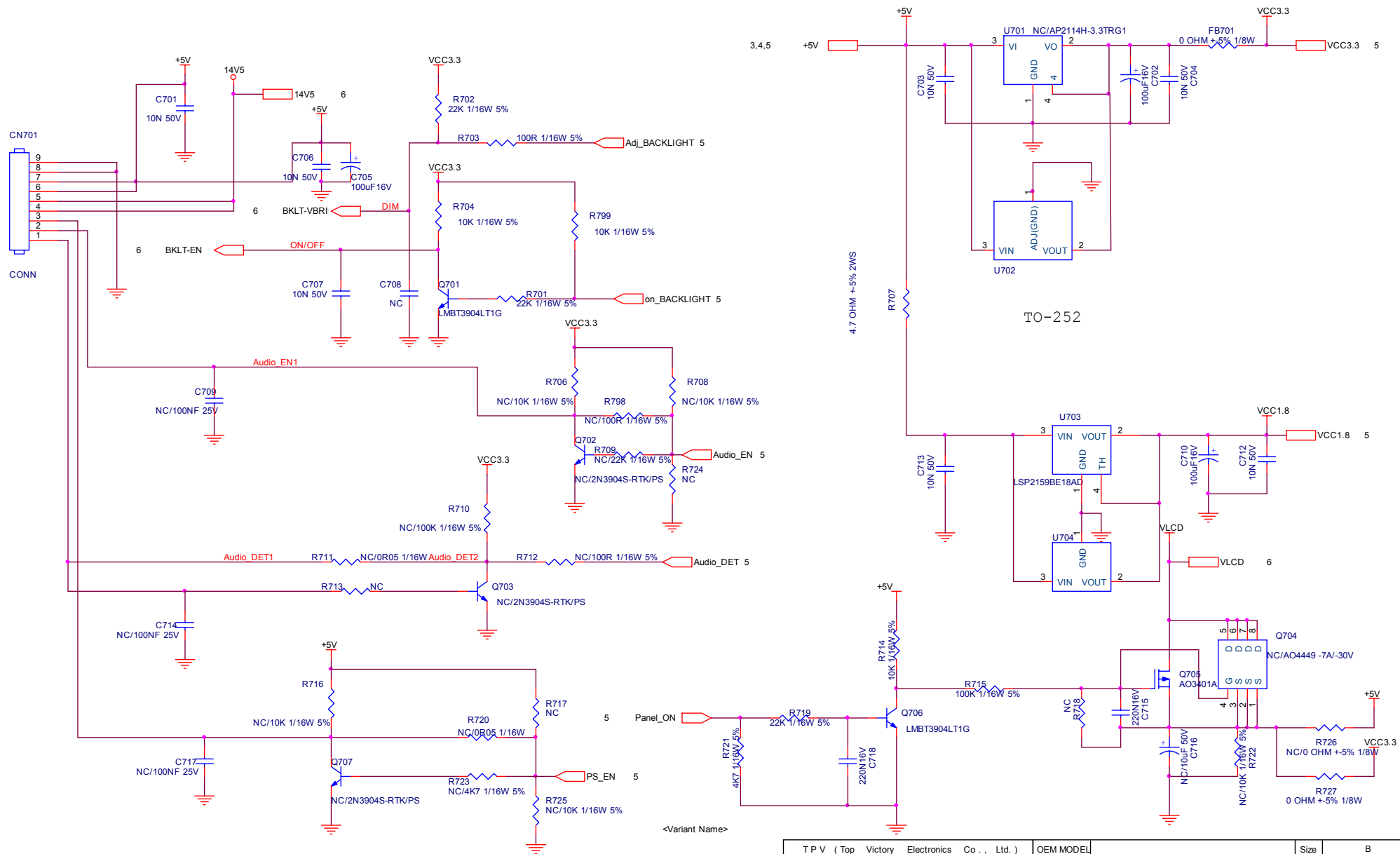
TPV (Top Victory Electronics Co., Ltd.)	OEM MODEL		Size	B
紙隔瓜網膜	715G4870-M0C-000-0040-1-110321	TPV MODEL	Rev	B
Key Component	D-SUB I/O	PCB NAME	715G4870-M0C-000-0040-2	修
Date	Wednesday, April 27, 2011	Sheet	1 of 5	



TPV (Top Victory Electronics Co., Ltd.)	OEM MODEL		Size	B
結隔瓜網膜	715G4870-M0C-000-0040-1-110321	TPV MODEL	Rev	B
Key Component	DVI	PCB NAME	715G4870-M0C-000-0040-1	称爹
Date	Wednesday, April 27, 2011	Sheet	2 of 5	

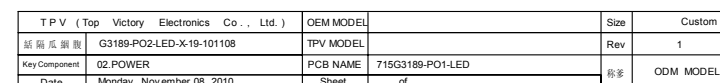


T P V (Top Victory Electronics Co., Ltd.)	OEM MODEL		Size	B
括隔瓜銀膜	715G4870-M0C-000-0040-1-110321	TPV MODEL	Rev	B
Key Component	LVDS PANEL I/O	PCB NAME	715G4870-M0C-000-0040-2	称爹
Date	Monday, June 13, 2011	Sheet	4 of 5	

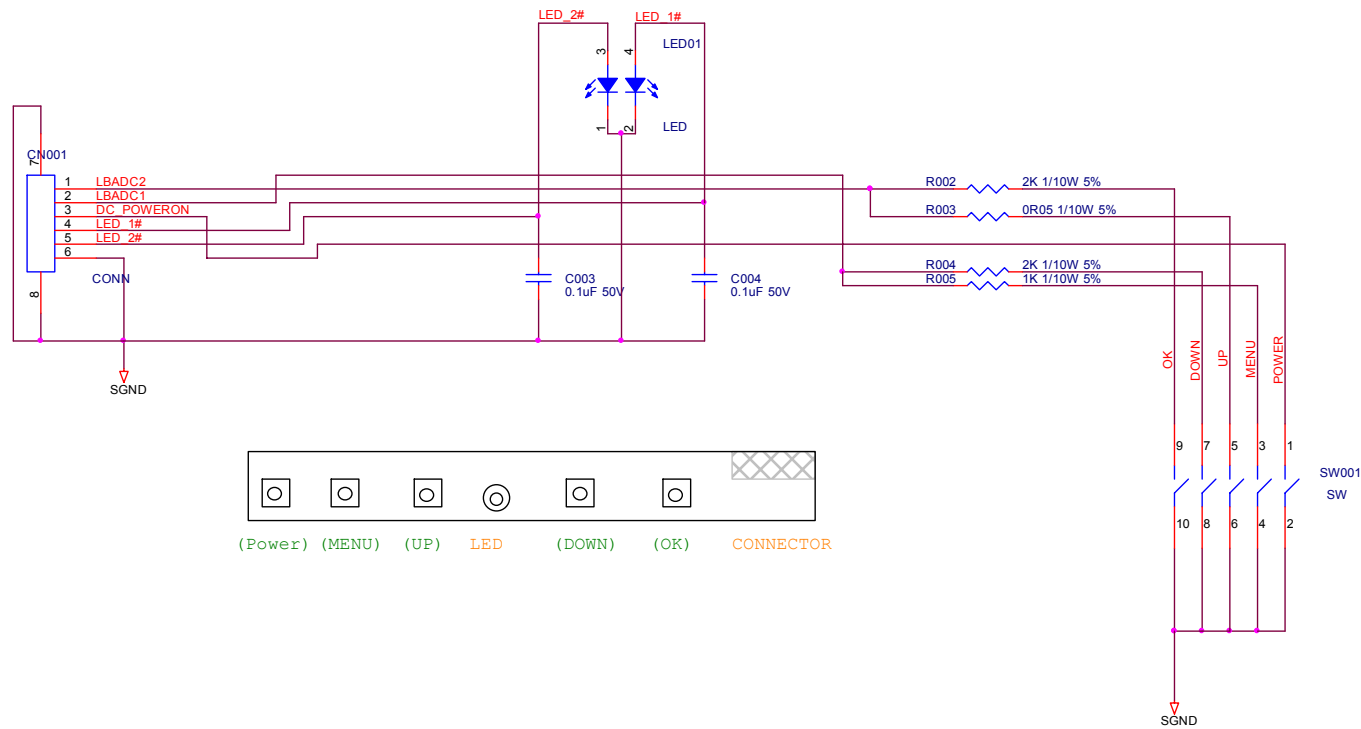


T P V (Top Victory Electronics Co., Ltd.)	OEM MODEL		Size	B
括端瓜銅腹	715G4870-M0C-000-0040-1-110321	TPV MODEL	Rev	A
Key Component	POWER	PCB NAME	715G4870-M0C-000-0040-1	称爹
Date	Friday, May 13, 2011	Sheet	5 of 5	

715G3189P02LED001S



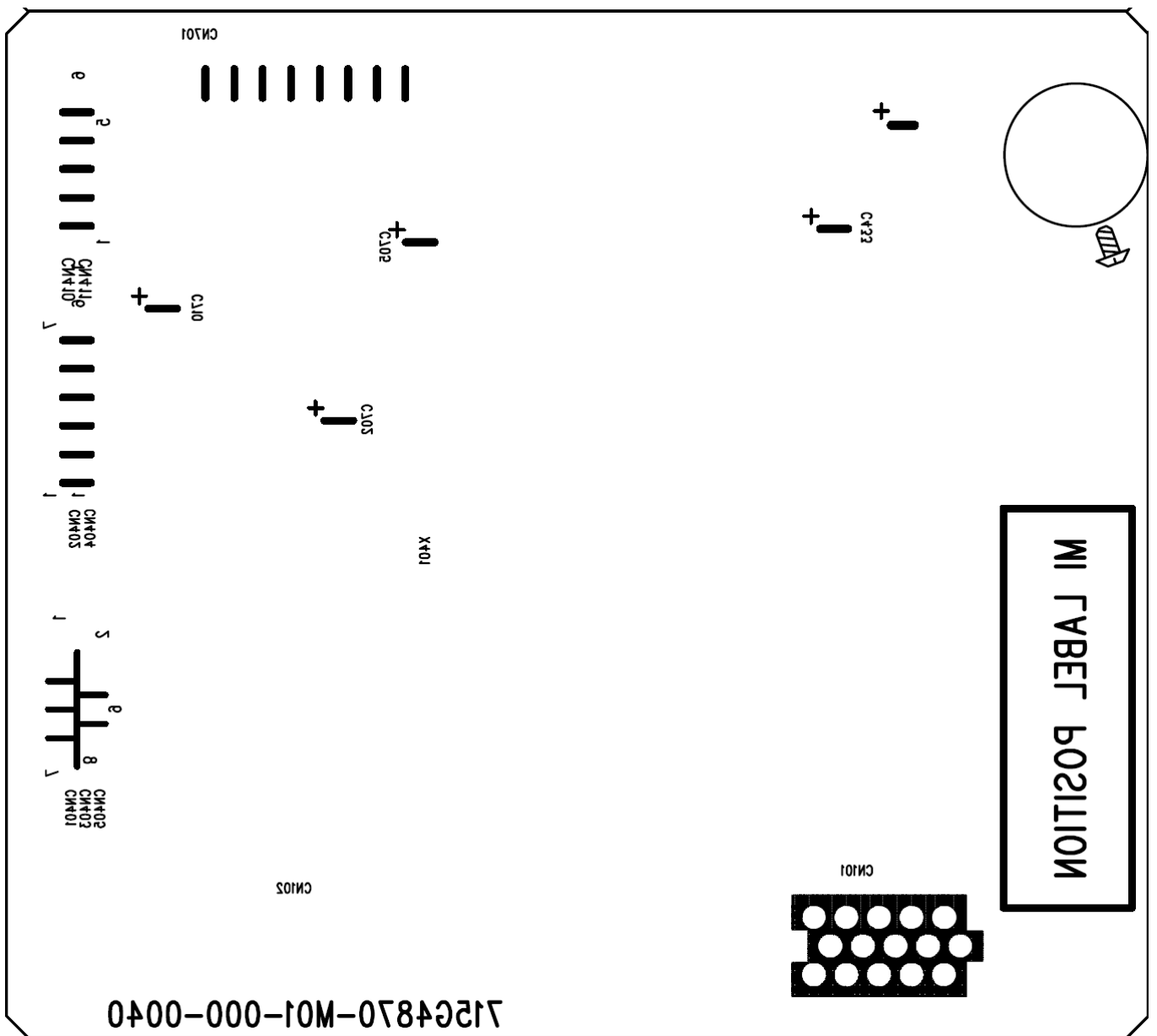
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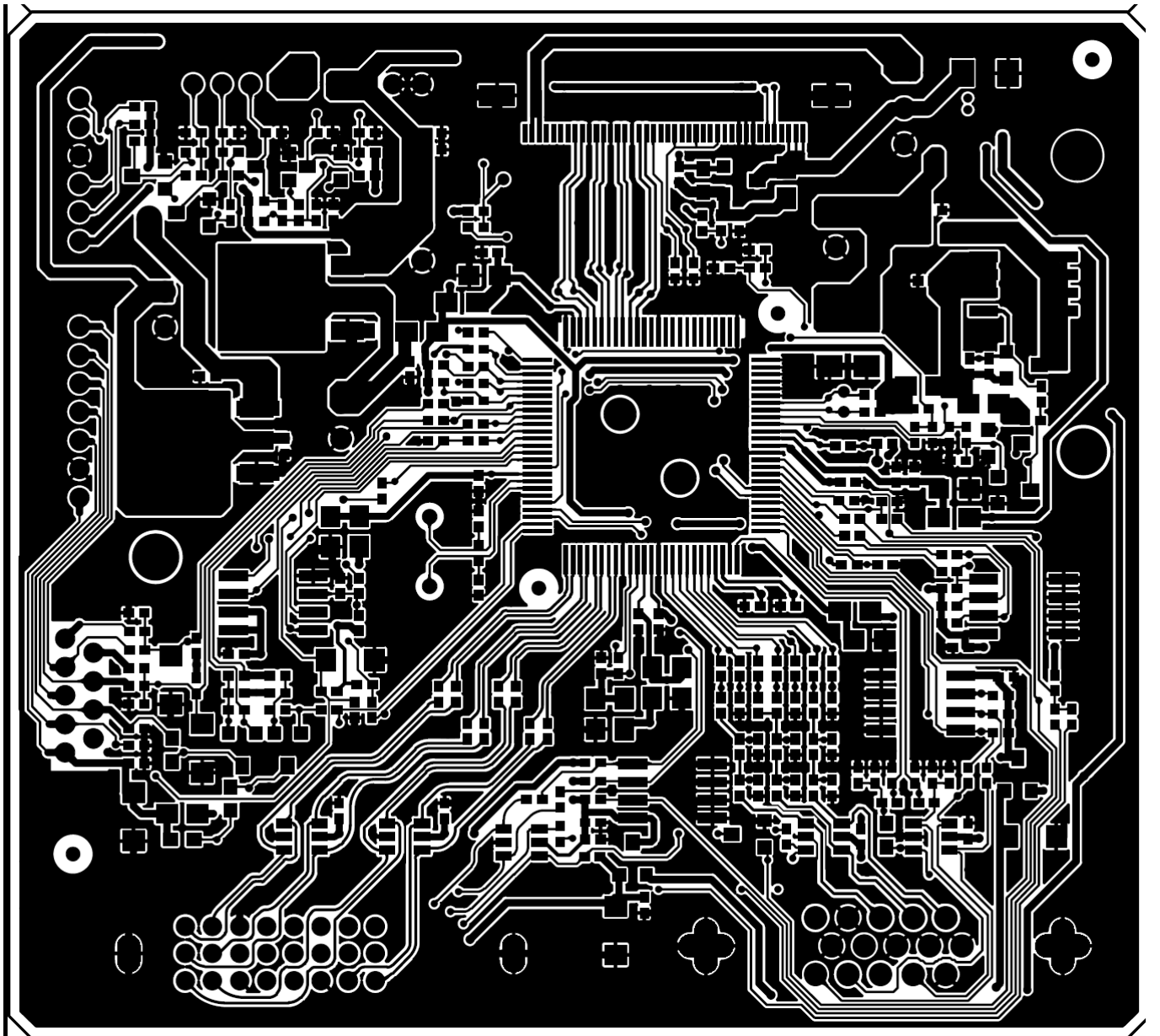


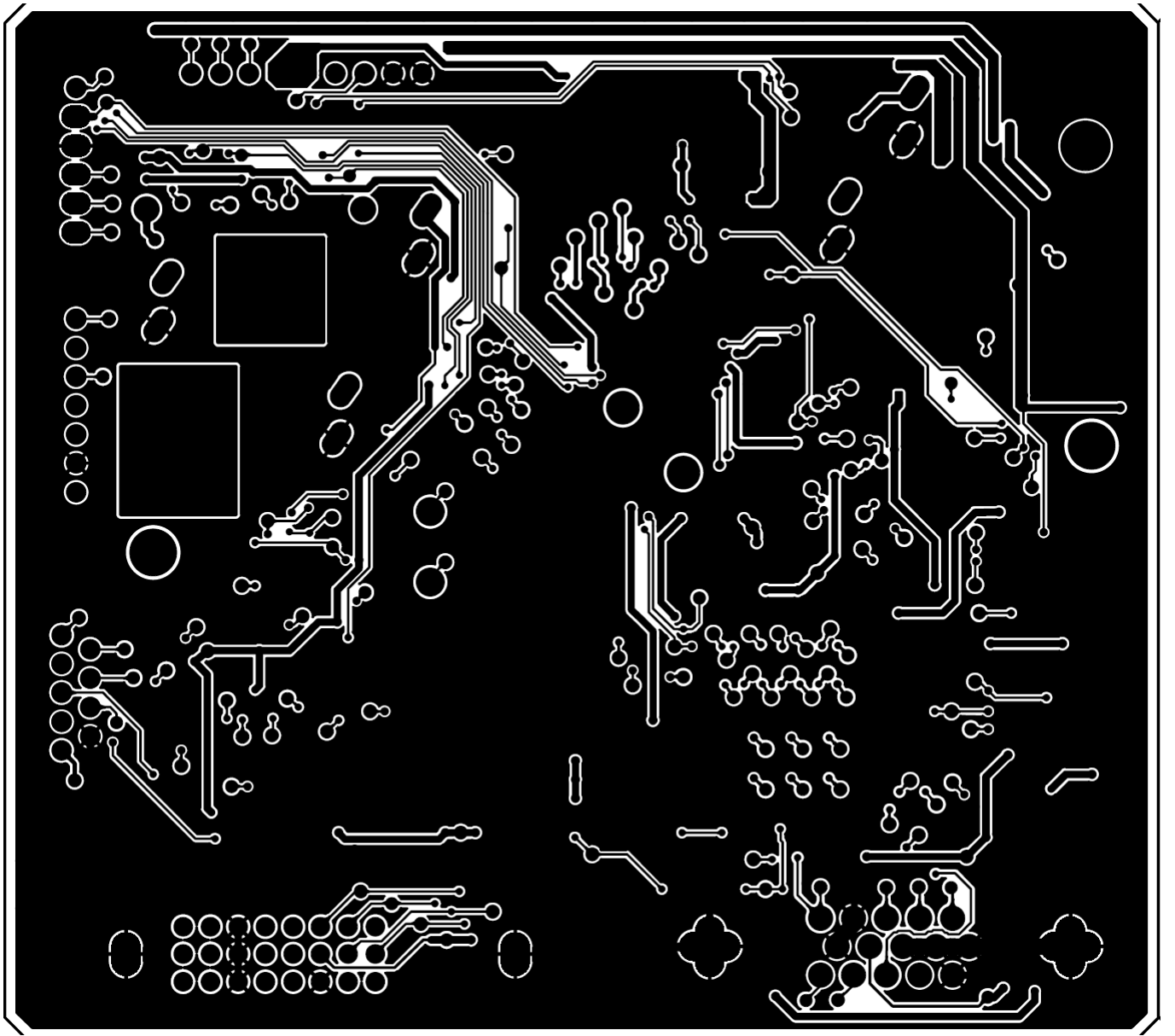
T P V (Top Victory Electronics Co., Ltd.)		OEM MODEL		Size	B
話 隔 瓜 鋼 鐵		715G3584-K0B-X-X-1-090414	TPV MODEL		Rev B
Key Component	1.0.key	PCB NAME	715G3584-K0B	称 爹	
Date	Friday, April 17, 2009	Sheet	1 of 1		

715G4870M01000004L



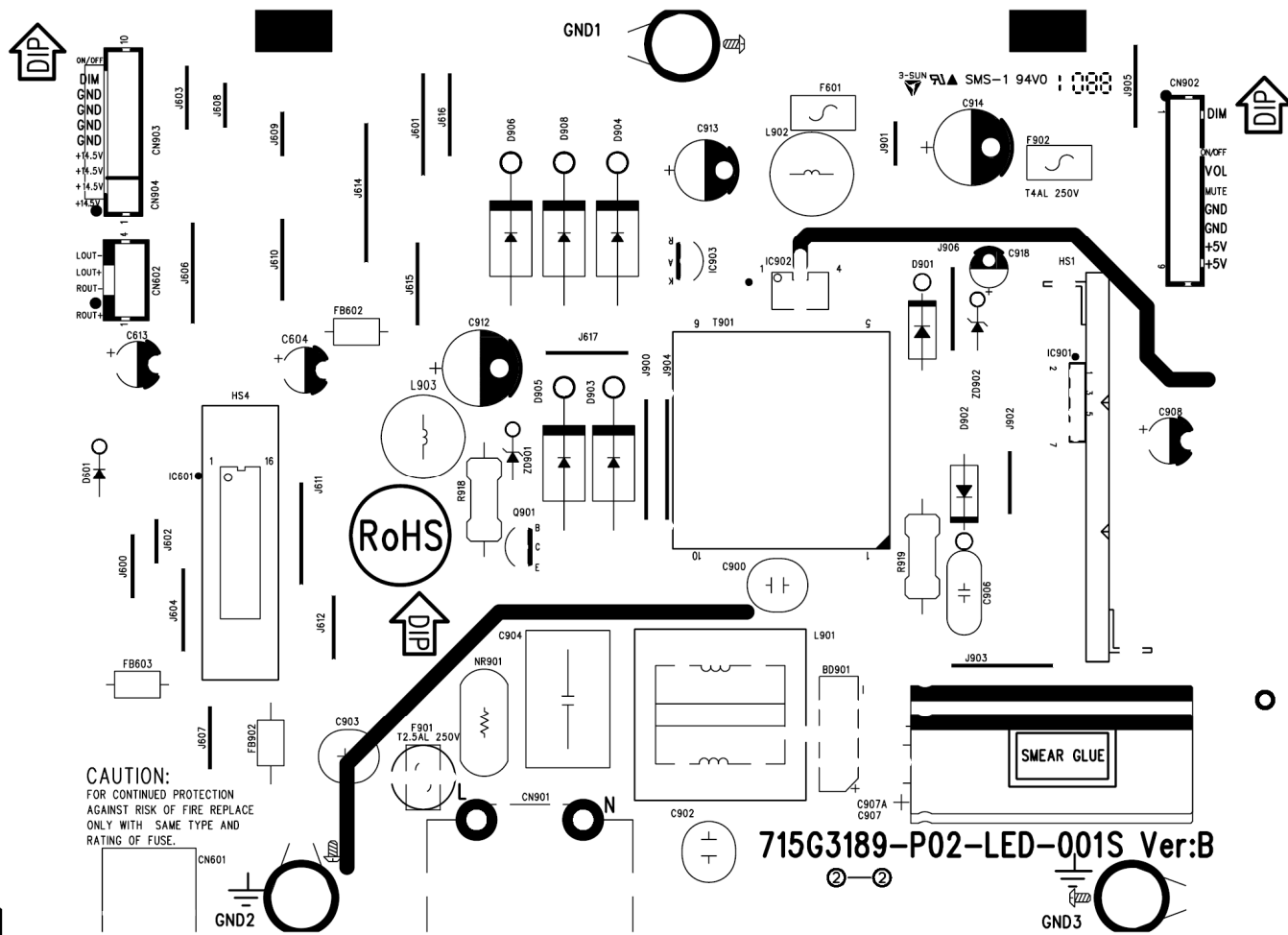


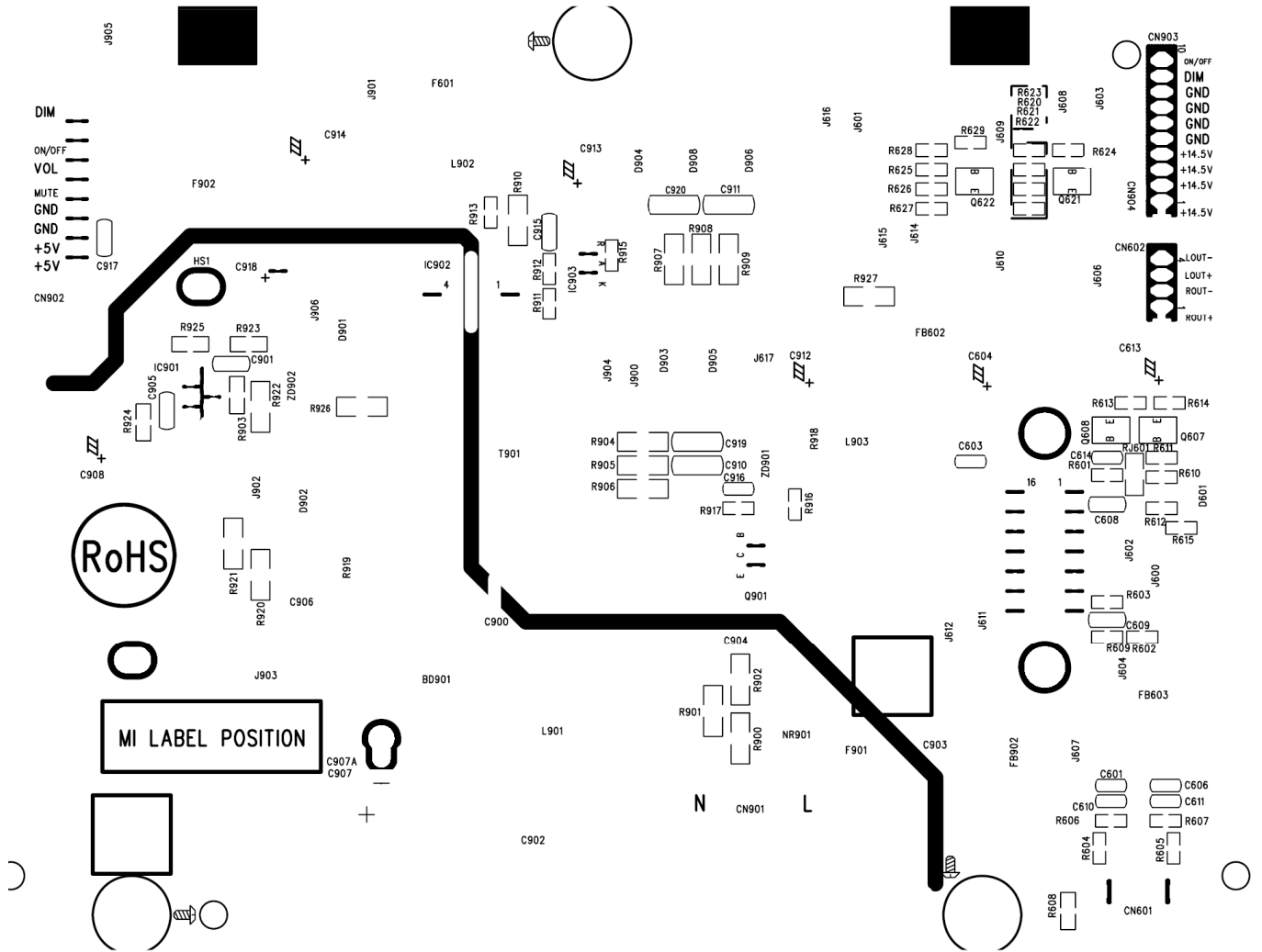


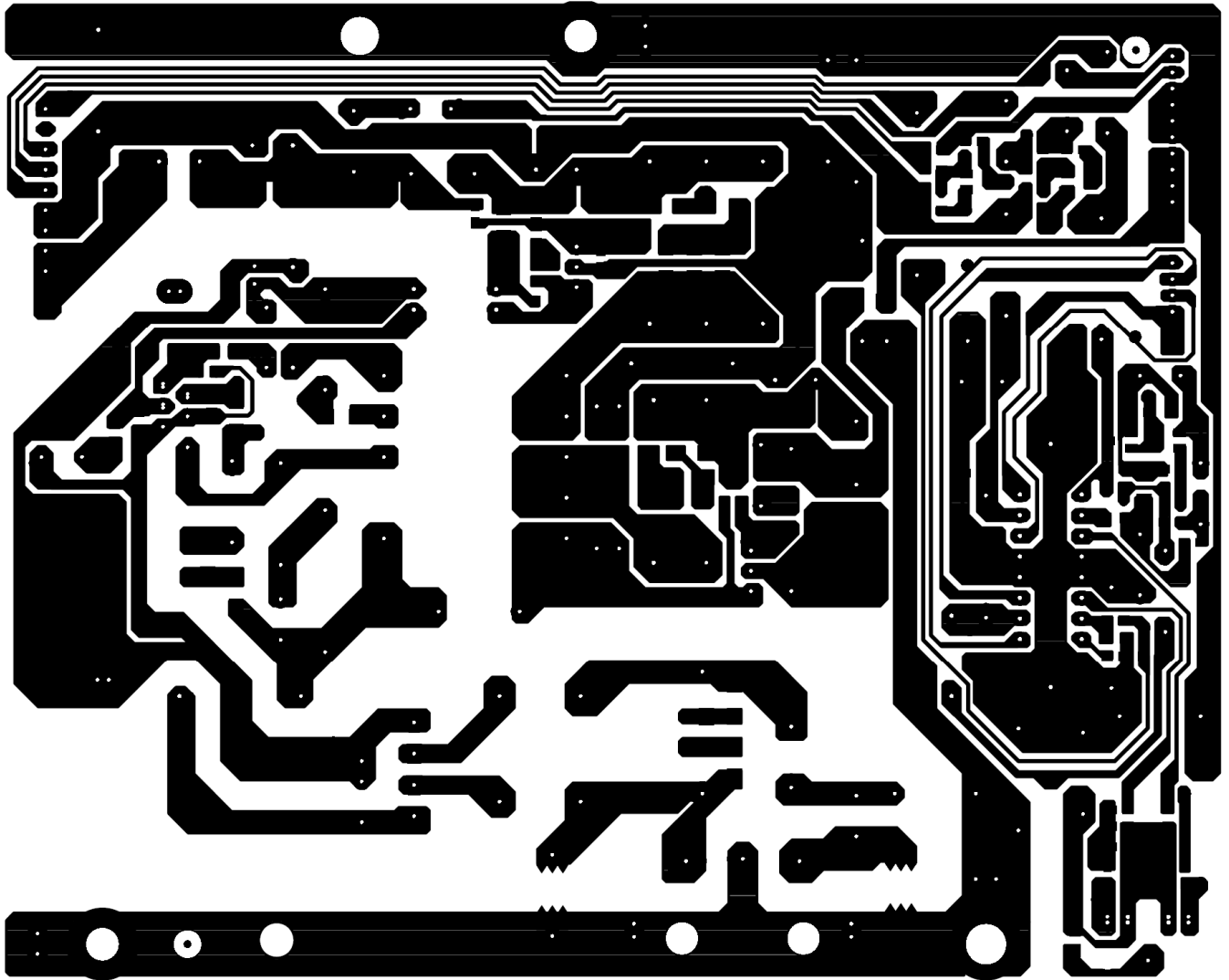


7.2 Power Board

715G3189P02LED001S

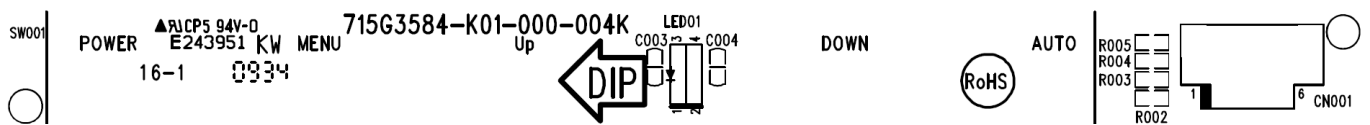






7.3 Key Board

715G3584K01000004K



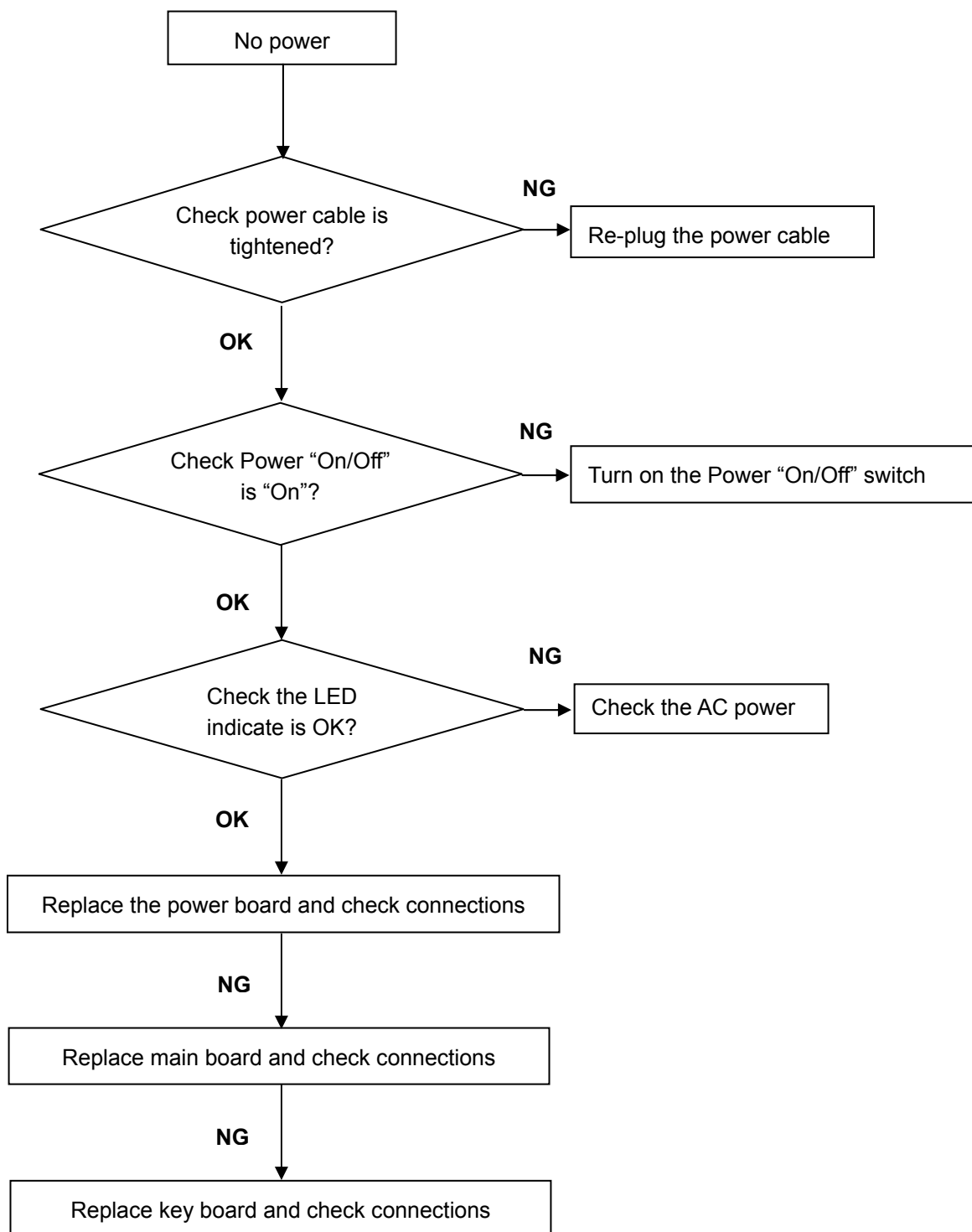
8. Maintainability

8.1 Equipments and Tools Requirement

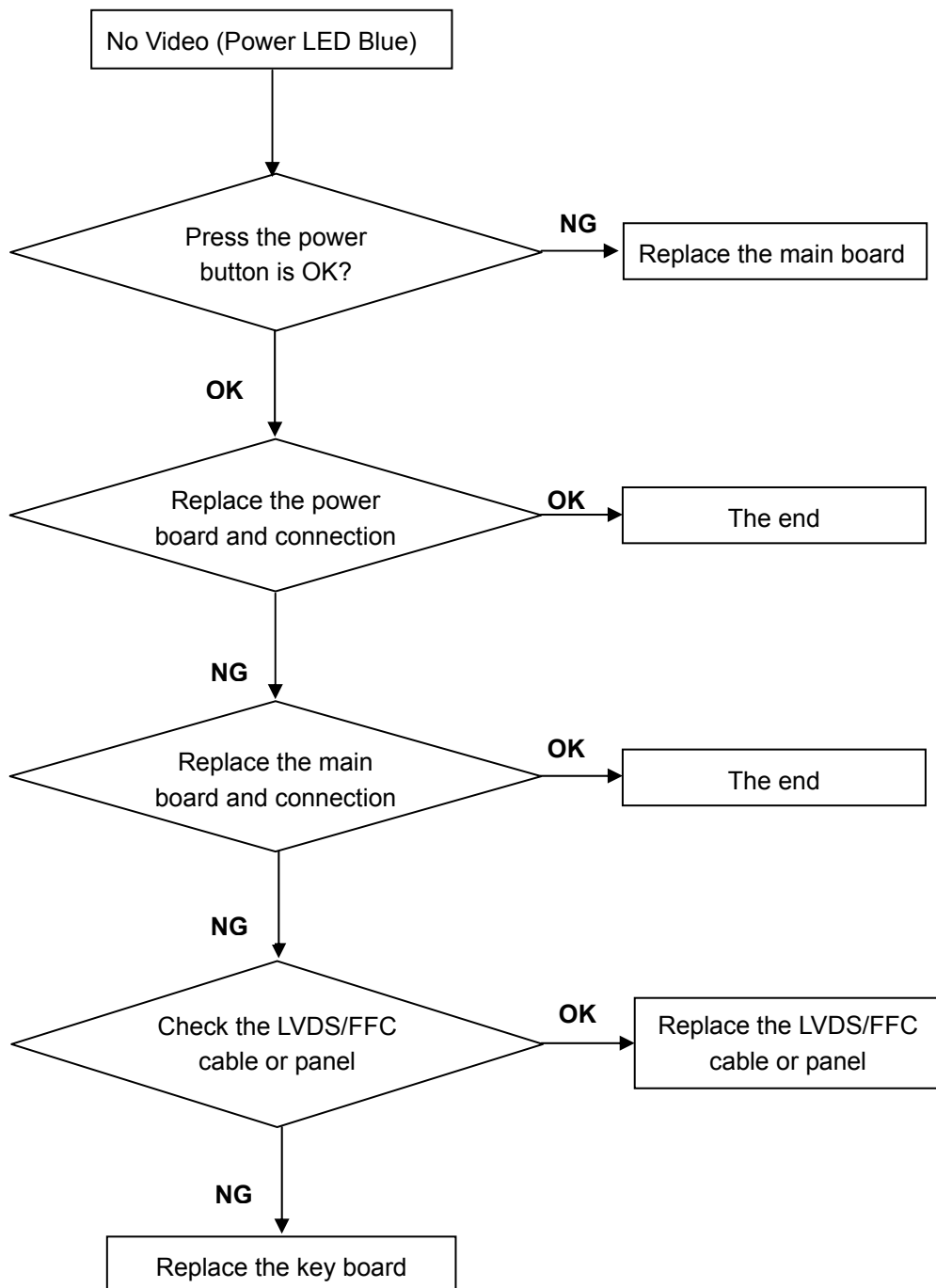
1. Voltmeter.
2. Oscilloscope.
3. Pattern Generator.
4. DDC Tool with an IBM Compatible Computer.
5. Alignment Tool.
6. LCD Color Analyzer.
7. Service Manual.
8. User Manual.

8.2 Trouble Shooting

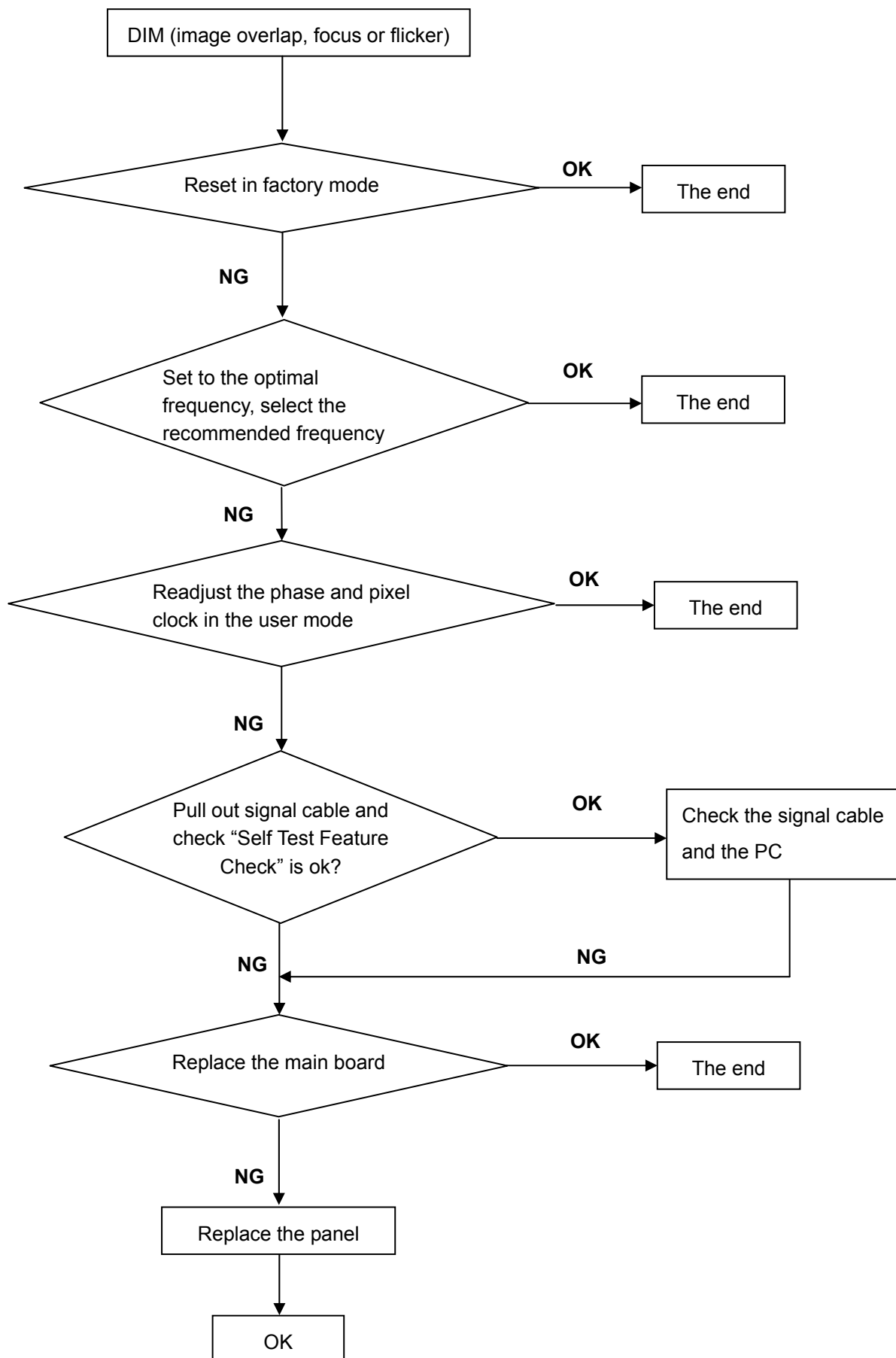
1. No Power



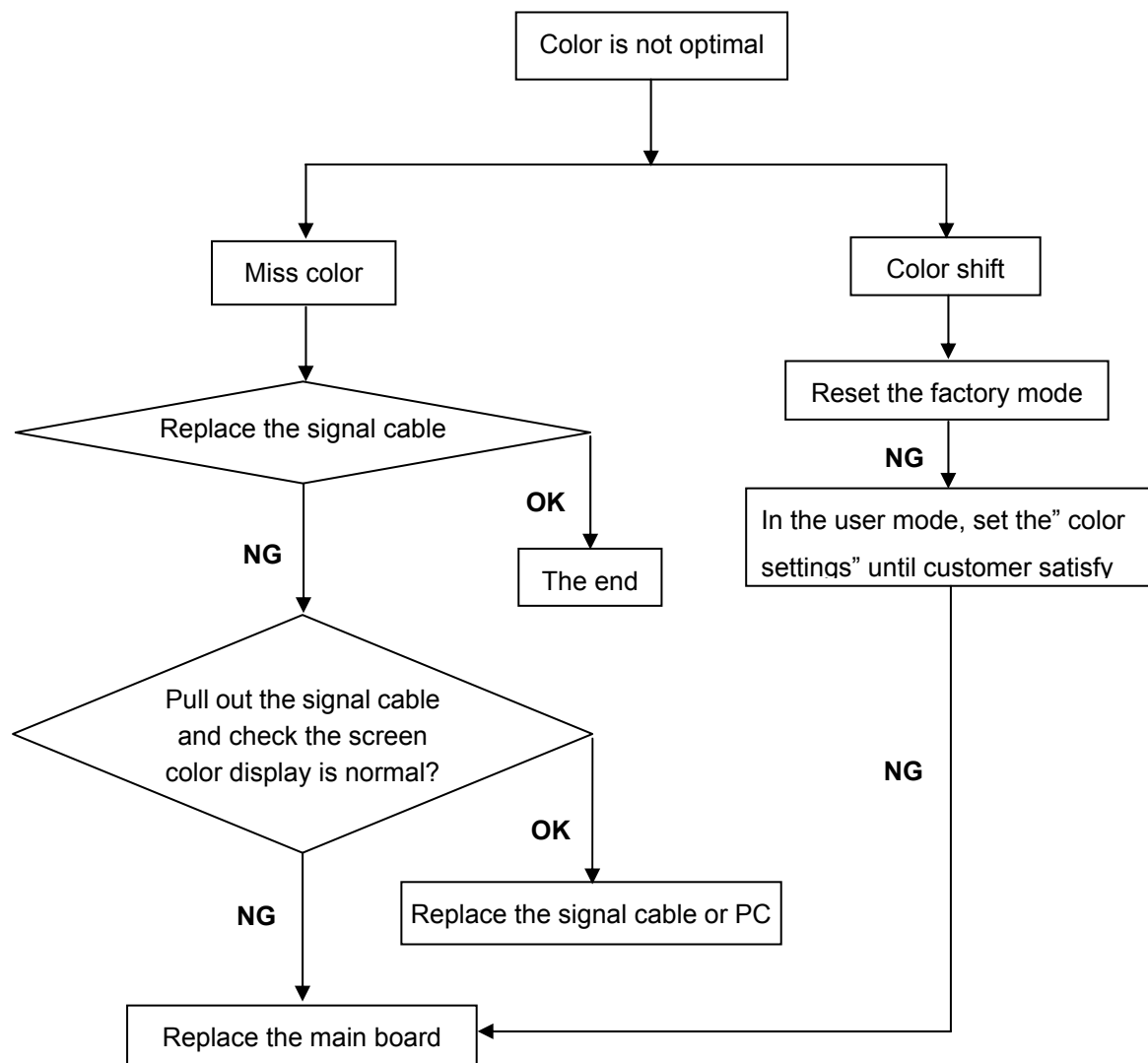
2. No Video (Power LED Blue)



3. DIM



4. Color is not optimal



9. White- Balance, Luminance Adjustment

Approximately 30 minutes should be allowed for warm up before proceeding white balance adjustment.

How to setting MEM channel you can reference to chroma 7120 user guide or simpl use “SC” key and “NEXT” Key to modify xyY value and use “ID” key to modify the TEXT description Following is the procedure to do white-balance adjust .

2. Setting the color temp. you want

A. MEM.CHANNEL 3 Warm (6500K):

Warm color temp. parameter is $x = 313 \pm 20$, $y = 329 \pm 20$, $Y > 150$

B. MEM.CHANNEL 4 Normal (7300K):

Normal color temp. parameter is $x = 302 \pm 20$, $y = 318 \pm 20$, $Y > 150$

C. MEM.CHANNEL 9 Cool (9300K):

Cool color temp. parameter is $x = 283 \pm 20$, $y = 297 \pm 20$, $Y > 130$

D. MEM.CHANNEL 10 (sRGB color):

sRGB color temp. parameter is $x = 313 \pm 20$, $y = 329 \pm 20$, $Y > 150$

3. Enter into the factory mode

Press the “MENU” button, pull out the power cord, and then plug the power cord. You will enter into the factory mode.

4. Gain adjustment:

Move cursor to “-F-” and press MENU key

A. Adjust Warm (6500K) color-temperature

1. Switch the chroma-7120 to **RGB-Mode** (with press “MODE” button)
2. Switch the MEM.channel to Channel 3 (with up or down arrow on chroma 7120)
3. The LCD-indicator on chroma 7120 will show $x = 313 \pm 20$, $y = 329 \pm 20$, $Y > 150$
4. Adjust the RED on factory window until chroma 7120 indicator reached the value $R=100$
5. Adjust the GREEN on factory window until chroma 7120 indicator reached the value $G=100$
6. Adjust the BLUE on factory window until chroma 7120 indicator reached the value $B=100$
7. Repeat above procedure (item 4, 5, 6) until chroma 7120 RGB value meet the tolerance $=100 \pm 2$

B. Adjust Normal (7300K) color-temperature

1. Switch the chroma-7120 to **RGB-Mode** (with press “MODE” button)
2. Switch the MEM.channel to Channel 4 (with up or down arrow on chroma 7120)
3. The LCD-indicator on chroma 7120 will show $x = 302 \pm 20$, $y = 318 \pm 20$, $Y > 150$
4. Adjust the RED on factory window until chroma 7120 indicator reached the value $R=100$
5. Adjust the GREEN on factory window until chroma 7120 indicator reached the value $G=100$
6. Adjust the BLUE on factory window until chroma 7120 indicator reached the value $B=100$
7. Repeat above procedure (item 4, 5, 6) until chroma 7120 RGB value meet the tolerance $=100 \pm 2$

C. Adjust Cool (9300K) color-temperature

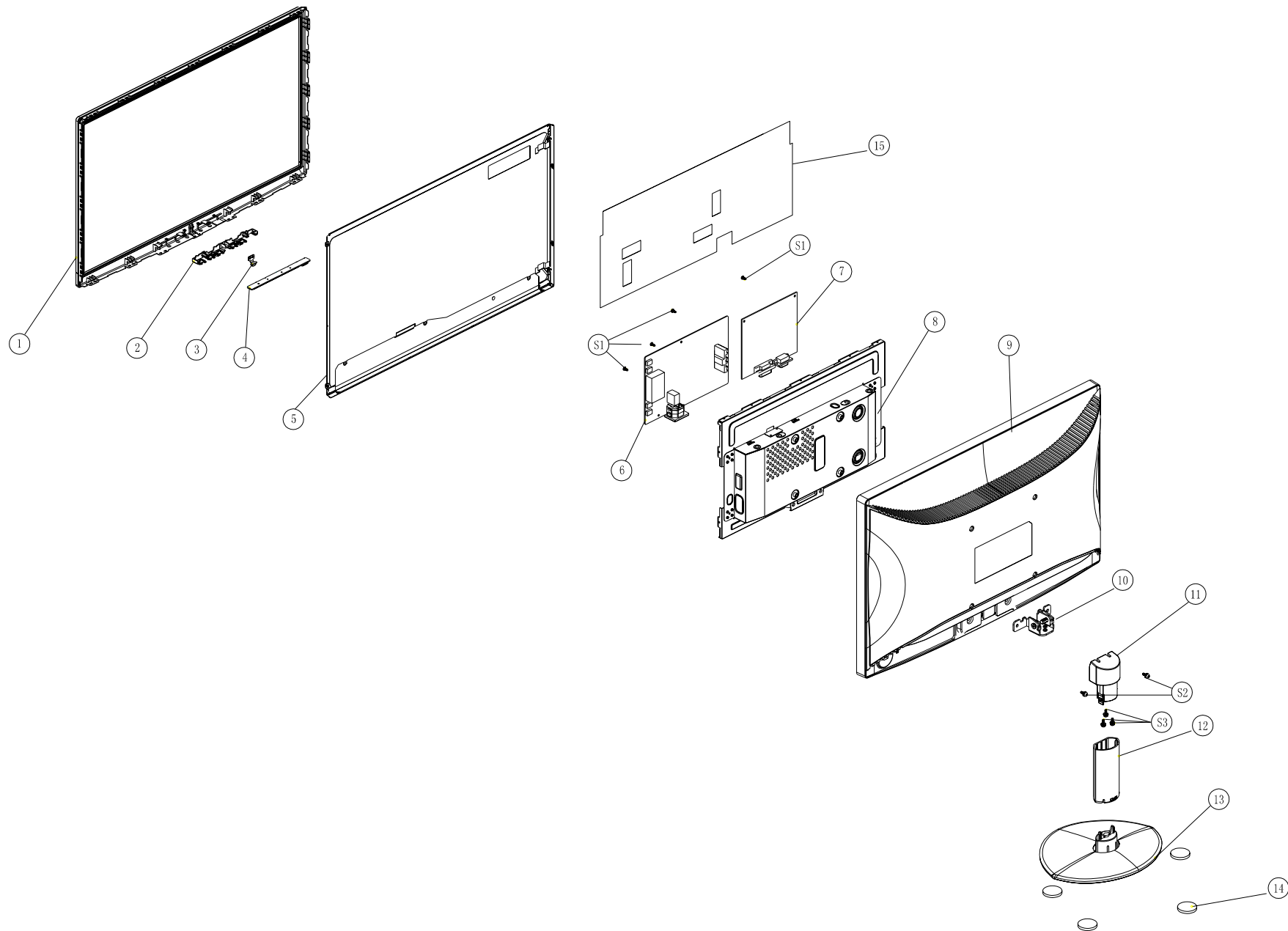
1. Switch the Chroma-7120 to **RGB-Mode** (with press "MODE" button)
2. Switch the MEM. Channel to Channel 9 (with up or down arrow on chroma 7120)
3. The LCD-indicator on chroma 7120 will show $x = 283 \pm 20$, $y = 297 \pm 20$, $Y > 130$
4. Adjust the RED on factory window until chroma 7120 indicator reached the value $R=100$
5. Adjust the GREEN on factory window until chroma 7120 indicator reached the value $G=100$
6. Adjust the BLUE on factory window until chroma 7120 indicator reached the value $B=100$
7. Repeat above procedure (item 4, 5, 6) until chroma 7120 RGB value meet the tolerance $=100 \pm 2$

D. Adjust sRGB color-temperature

1. Switch the chroma-7120 to **RGB-Mode** (with press "MODE" button)
2. Switch the MEM.channel to Channel 10 (with up or down arrow on chroma 7120)
3. The LCD-indicator on chroma 7120 will show $x = 313 \pm 20$, $y = 329 \pm 20$, $Y > 150$
4. Adjust the RED on factory window until chroma 7120 indicator reached the value $R=100$
5. Adjust the GREEN on factory window until chroma 7120 indicator reached the value $G=100$
6. Adjust the BLUE on factory window until chroma 7120 indicator reached the value $B=100$
7. Repeat above procedure (item 4, 5, 6) until chroma 7120 RGB value meet the tolerance $=100 \pm 2$

E. Turn the Power-button off to quit from factory mode.

10. Monitor Exploded View



No.	Description			
1	BEZEL			
2	KEY FUNTION			
3	LENS POWER			
4	KEY BOARD			
5	PANEL			
6	POWER BOARD			
7	MAIN BOARD			
8	MAIN_FRAME			
9	REAR COVER			
10	HINGE 15.6			
11	STAND COVER			
12	STAND	No.	Part No.	Description
13	BASE	S1	0G1G1030 6120	SCREW(MAIN&POWER BOARD/MAIN_FRAME)
14	FOOT	S2	AM1G1740 12 47 CR3	SCREW(STAND/HINGE/REAR COVER)
15	INSULATING SHEET	S3	AM1G1740 10 47 CR3	SCREW(HINGE/STAND)

11. BOM List

Note: The parts information listed below are for reference only, and are subject to change without notice. Please go to <http://cs.tpv.com.cn/hello1.asp> for the latest information.

T6BMN32EW11UNN

Location	Part No.	Description	Remark
	040G 581909 1A	PROTECT LABEL	
E08902	089G 725CAADBD	D-SUB CABLE 1500MM	2nd source
E08902	089G 725HAADBD	D-SUB CABLE 1500MM	
E08901	089G417A15N HL	AC POWER CORD 1500MM	
ECN409	095G176J40N504	FFC CABLE 40PIN 560MM P0.5MM	2nd source
ECN409	095G176W40N504	FFC CABLE 40PIN 560MM P0.5MM	2nd source
ECN902	095G8013 9W505	HARNESS 9P-10P+9P(H2506) 240/120	
ECN902	095G8013 9X505	HARNESS 9P-10P+9P(H2506) 240/120	2nd source
ECN402	095G8014 6WH91	HARNESS 6P(A2008H)-6P(A1253HA) 140MM	
ECN402	095G8014 6XH91	2.2NESS 6P(A2008H)-6P(A1253HA) 140MM	2nd source
	707GQA12005	EMI ASS'Y	
	052G 1211 B	CONDUCTIVE TAPE 85MM *40MM *0.09MM	
	708G6014 CP02A	GTC 40(3402)	
	052G 1185 1	BIG TAPE(Y1200141)	
	Q45G 77 5	PE PACKING (Y1900241)	
	Q50G 4 10	TIE (Y1900221)	
	709G QP000161	CONSUMPTIVE ASS'Y	
	052G 1150 C	INSULATING TAPE	
	052G 2191 A	PAPER TAPE	
	052G6019 1	INSULATING TAPE	
E750	750NBM156B6B12N000	LCD N156B6-L0B C1 NB CMI	
	756GQBCB AA040 00	MAIN BOARD-CBPCBN3ACQR	
U402	056G2233 11	IC PM25LD020C-SCE SIOC-8(150MIL) 2M	
SMTCB-U402	100GANM6002YT1	MCU ASS'Y-056G2233 11	
	801GQBEE204	L156WA-TS1-TSS1-ASS"Y	
	0G1G1030 6120	SCREW	
	AM1G1740 10 47 CR3	SCREW	
	Q12G6600 6	FOOT	
	Q15G1068501	MAIN_FRAME	
M037	Q37G0187012	HINGE 15.6	
	Q52G1801MNT068B000	INSULATING SHEET	
M037	SQ37G0187012	HINGE ASS'Y	
	015F0187120	ALUMINOUS	
	015F018711R	BRACKET	
	015F018711L	BRACKET	
	004F0611051 00	WASHER	

	004F0610051 01	WASHER	
	004F061110T 01	WASHER	
	004F061110M 00	WASHER	
	028F0616070	SHAFT	
	002F0604100 00	NUTS	
	0M1F3050106	SCREW	
	802GQA34090	L156WA-TS1-TSS1-STAND-ASS"Y	
	AM1G1740 12 47 CR3	SCREW	
	Q34G7134AED 1B0100	STAND COVER	
	Q34G7135AED 1S0100	STAND	
	803GQA44138	L156WA-TS1-TSS1-EPS-ASS"Y	
	Q44G6014101	CUSHION EPS	
	Q44G6014201	EPS	
	A33G0740AED 1L0100	KEY FUNTION	
	A33G0741 2 1C0100	LENS POWER	
	Q34G7132AED 5B0130	BEZEL	
	Q34G7133AED 5S0100	REAR COVER	
	Q34G7136AED 1S0130	BASE	
	Q40G 15N62413A	RATING LABEL	
	Q40G0002624A14	POP NU LOGO	
	Q40G0002624B13	NU LOGO LABEL FOR CARTON	
	Q44G6014600 1A	CARTON T16	
	Q45G 88609201	EPE BAG	
ECN409	S95G176T40N504	LVDS ASS"Y	
	Q41G16M1624 3A	T16 MANUAL	
	Q45G2010M0201A	P.E. BAG (INSTR. BOOK)	
	040G 58162435A	PN LABEL FOR MANUAL PE BAG	
	Q26G 800504 2B	BARCODE LABEL FOR 3	
CN402	033G3802 6B Y	CONN 6PIN 2.0	
CN701	033G3802 9B Y	CONNECTOR 9P 2.0	
R707	061G152M479 64 SY	RST MOFR 4.7 OHM +-5% 2WS FUTABA	
CN101	088G 35315F HD	D-SUB CONN 15P BLUE - R/A	
X401	093G 2251B J	CRYSTAL 12MHZ NXS12.000AC30F-KAB10	
C433	067G 3051013PB	EC 105C 100UF M 16V 5*11MM	
C702	067G 3051013PB	EC 105C 100UF M 16V 5*11MM	
C705	067G 3051013PB	EC 105C 100UF M 16V 5*11MM	
C710	067G 3051013PB	EC 105C 100UF M 16V 5*11MM	
C774	067G 3051014PB	EC 100UF 20% 25V 6.3*11	
U401	056G 562454	SCALER NT68620FG/B TQFP-100	
U702	056G 563 80	LDO AP1084D33G-13 5A 3.3V	

U703	056G 563248	LDO LSP2159BE18AD SOT223 B-TY 1.5A/1.8V	
U102	056G 662 48	ESD PROTECT AZC399-04S.R7G SOT23-6L	
U103	056G 662 48	ESD PROTECT AZC399-04S.R7G SOT23-6L	
U101	056G1133956	IC CAT24C02WI-GT3 SO-8	
U402	056G2233 11	IC PM25LD020C-SCE SIOC-8(150MIL) 2M	
Q401	057G 417517	TRA LMBT3906LT1G -200MA/-40V SOT-23 LRC	
Q402	057G 417517	TRA LMBT3906LT1G -200MA/-40V SOT-23 LRC	
Q771	057G 417518	TRA LMBT3904LT1G 200MA/40V SOT-23 LRC	
Q701	057G 417518	TRA LMBT3904LT1G 200MA/40V SOT-23 LRC	
Q706	057G 417518	TRA LMBT3904LT1G 200MA/40V SOT-23 LRC	
Q705	057G 763940	MOSFET AO3401A SOT-23	
Q772	057G 763940	MOSFET AO3401A SOT-23	
R461	061G0402000 JF	RST CHIPR MAX0R05 1/16W FENGHUA	
R462	061G0402000 JF	RST CHIPR MAX0R05 1/16W FENGHUA	
R410	061G0402000 JF	RST CHIPR MAX0R05 1/16W FENGHUA	
R453	061G0402000 JF	RST CHIPR MAX0R05 1/16W FENGHUA	
R409	061G0402000 JF	RST CHIPR MAX0R05 1/16W FENGHUA	
R407	061G0402000 JF	RST CHIPR MAX0R05 1/16W FENGHUA	
R406	061G0402000 JF	RST CHIPR MAX0R05 1/16W FENGHUA	
R118	061G0402000 JF	RST CHIPR MAX0R05 1/16W FENGHUA	
R117	061G0402000 JF	RST CHIPR MAX0R05 1/16W FENGHUA	
R110	061G0402000 JF	RST CHIPR MAX0R05 1/16W FENGHUA	
R109	061G0402000 JF	RST CHIPR MAX0R05 1/16W FENGHUA	
R104	061G0402000 JF	RST CHIPR MAX0R05 1/16W FENGHUA	
R103	061G0402000 JF	RST CHIPR MAX0R05 1/16W FENGHUA	
R118	061G0402000 JT	RST CHIPR MAX0R05 1/16W TZAI YUAN	
R406	061G0402000 JT	RST CHIPR MAX0R05 1/16W TZAI YUAN	
R407	061G0402000 JT	RST CHIPR MAX0R05 1/16W TZAI YUAN	
R409	061G0402000 JT	RST CHIPR MAX0R05 1/16W TZAI YUAN	
R453	061G0402000 JT	RST CHIPR MAX0R05 1/16W TZAI YUAN	
R410	061G0402000 JT	RST CHIPR MAX0R05 1/16W TZAI YUAN	
R462	061G0402000 JT	RST CHIPR MAX0R05 1/16W TZAI YUAN	
R461	061G0402000 JT	RST CHIPR MAX0R05 1/16W TZAI YUAN	
R117	061G0402000 JT	RST CHIPR MAX0R05 1/16W TZAI YUAN	
R110	061G0402000 JT	RST CHIPR MAX0R05 1/16W TZAI YUAN	
R109	061G0402000 JT	RST CHIPR MAX0R05 1/16W TZAI YUAN	
R104	061G0402000 JT	RST CHIPR MAX0R05 1/16W TZAI YUAN	
R103	061G0402000 JT	RST CHIPR MAX0R05 1/16W TZAI YUAN	
R113	061G0402101 JF	RST CHIPR 100 OHM +-5% 1/16W FENGHUA	
R119	061G0402101 JF	RST CHIPR 100 OHM +-5% 1/16W FENGHUA	

R121	061G0402101 JF	RST CHIPR 100 OHM +-5% 1/16W FENGHUA	
R123	061G0402101 JF	RST CHIPR 100 OHM +-5% 1/16W FENGHUA	
R124	061G0402101 JF	RST CHIPR 100 OHM +-5% 1/16W FENGHUA	
R431	061G0402101 JF	RST CHIPR 100 OHM +-5% 1/16W FENGHUA	
R703	061G0402101 JF	RST CHIPR 100 OHM +-5% 1/16W FENGHUA	
R439	061G0402101 JF	RST CHIPR 100 OHM +-5% 1/16W FENGHUA	
R434	061G0402101 JF	RST CHIPR 100 OHM +-5% 1/16W FENGHUA	
R111	061G0402101 JF	RST CHIPR 100 OHM +-5% 1/16W FENGHUA	
R108	061G0402101 JF	RST CHIPR 100 OHM +-5% 1/16W FENGHUA	
R106	061G0402101 JF	RST CHIPR 100 OHM +-5% 1/16W FENGHUA	
R105	061G0402101 JF	RST CHIPR 100 OHM +-5% 1/16W FENGHUA	
R102	061G0402101 JF	RST CHIPR 100 OHM +-5% 1/16W FENGHUA	
R101	061G0402101 JF	RST CHIPR 100 OHM +-5% 1/16W FENGHUA	
R113	061G0402101 JT	RST CHIP 100R 1/16W 5% TZAI YUAN	
R119	061G0402101 JT	RST CHIP 100R 1/16W 5% TZAI YUAN	
R121	061G0402101 JT	RST CHIP 100R 1/16W 5% TZAI YUAN	
R123	061G0402101 JT	RST CHIP 100R 1/16W 5% TZAI YUAN	
R124	061G0402101 JT	RST CHIP 100R 1/16W 5% TZAI YUAN	
R431	061G0402101 JT	RST CHIP 100R 1/16W 5% TZAI YUAN	
R703	061G0402101 JT	RST CHIP 100R 1/16W 5% TZAI YUAN	
R439	061G0402101 JT	RST CHIP 100R 1/16W 5% TZAI YUAN	
R434	061G0402101 JT	RST CHIP 100R 1/16W 5% TZAI YUAN	
R101	061G0402101 JT	RST CHIP 100R 1/16W 5% TZAI YUAN	
R102	061G0402101 JT	RST CHIP 100R 1/16W 5% TZAI YUAN	
R105	061G0402101 JT	RST CHIP 100R 1/16W 5% TZAI YUAN	
R106	061G0402101 JT	RST CHIP 100R 1/16W 5% TZAI YUAN	
R108	061G0402101 JT	RST CHIP 100R 1/16W 5% TZAI YUAN	
R111	061G0402101 JT	RST CHIP 100R 1/16W 5% TZAI YUAN	
R424	061G0402102 JF	RST CHIPR 1KOHM +-5% 1/16W FENGHUA	
R487	061G0402102 JF	RST CHIPR 1KOHM +-5% 1/16W FENGHUA	
R488	061G0402102 JF	RST CHIPR 1KOHM +-5% 1/16W FENGHUA	
R487	061G0402102 JT	RST CHIP 1K 1/16W 5% TZAI YUAN	
R424	061G0402102 JT	RST CHIP 1K 1/16W 5% TZAI YUAN	
R488	061G0402102 JT	RST CHIP 1K 1/16W 5% TZAI YUAN	
R704	061G0402103 JF	RST CHIPR 10KOHM +-5% 1/16W FENGHUA	
R444	061G0402103 JF	RST CHIPR 10KOHM +-5% 1/16W FENGHUA	
R772	061G0402103 JF	RST CHIPR 10KOHM +-5% 1/16W FENGHUA	
R799	061G0402103 JF	RST CHIPR 10KOHM +-5% 1/16W FENGHUA	
R714	061G0402103 JF	RST CHIPR 10KOHM +-5% 1/16W FENGHUA	
R429	061G0402103 JF	RST CHIPR 10KOHM +-5% 1/16W FENGHUA	

R425	061G0402103 JF	RST CHIPR 10KOHM +-5% 1/16W FENGHUA	
R419	061G0402103 JF	RST CHIPR 10KOHM +-5% 1/16W FENGHUA	
R772	061G0402103 JT	RST CHIP 10K 1/16W 5% TZAI YUAN	
R799	061G0402103 JT	RST CHIP 10K 1/16W 5% TZAI YUAN	
R714	061G0402103 JT	RST CHIP 10K 1/16W 5% TZAI YUAN	
R704	061G0402103 JT	RST CHIP 10K 1/16W 5% TZAI YUAN	
R444	061G0402103 JT	RST CHIP 10K 1/16W 5% TZAI YUAN	
R429	061G0402103 JT	RST CHIP 10K 1/16W 5% TZAI YUAN	
R425	061G0402103 JT	RST CHIP 10K 1/16W 5% TZAI YUAN	
R415	061G0402104 JF	RST CHIPR 100KOHM +-5% 1/16W FENGHUA	
R715	061G0402104 JF	RST CHIPR 100KOHM +-5% 1/16W FENGHUA	
R773	061G0402104 JF	RST CHIPR 100KOHM +-5% 1/16W FENGHUA	
R715	061G0402104 JT	RST CHIP 100K 1/16W 5% TZAI YUAN	
R773	061G0402104 JT	RST CHIP 100K 1/16W 5% TZAI YUAN	
R415	061G0402104 JT	RST CHIP 100K 1/16W 5% TZAI YUAN	
R432	061G0402105 JF	RST CHIPR 1MOHM 5% 1/16W FENGHUA	
R432	061G0402105 JT	RST CHIP R 1MOHM 1/16W +/-5% TZAI YUAN	
R125	061G0402222 JF	RST CHIPR 2.2KOHM +-5% 1/16W FENGHUA	
R126	061G0402222 JF	RST CHIPR 2.2KOHM +-5% 1/16W FENGHUA	
R411	061G0402222 JF	RST CHIPR 2.2KOHM +-5% 1/16W FENGHUA	
R427	061G0402222 JF	RST CHIPR 2.2KOHM +-5% 1/16W FENGHUA	
R413	061G0402222 JF	RST CHIPR 2.2KOHM +-5% 1/16W FENGHUA	
R411	061G0402222 JT	RST CHIP 2K2 1/16W 5% TZAI YUAN	
R427	061G0402222 JT	RST CHIP 2K2 1/16W 5% TZAI YUAN	
R413	061G0402222 JT	RST CHIP 2K2 1/16W 5% TZAI YUAN	
R126	061G0402222 JT	RST CHIP 2K2 1/16W 5% TZAI YUAN	
R125	061G0402222 JT	RST CHIP 2K2 1/16W 5% TZAI YUAN	
R771	061G0402223 JF	RST CHIPR 22KOHM 5% 1/16W FENGHUA	
R719	061G0402223 JF	RST CHIPR 22KOHM 5% 1/16W FENGHUA	
R702	061G0402223 JF	RST CHIPR 22KOHM 5% 1/16W FENGHUA	
R701	061G0402223 JF	RST CHIPR 22KOHM 5% 1/16W FENGHUA	
R454	061G0402223 JF	RST CHIPR 22KOHM 5% 1/16W FENGHUA	
R116	061G0402223 JF	RST CHIPR 22KOHM 5% 1/16W FENGHUA	
R771	061G0402223 JT	RST CHIP 22K 1/16W 5% TZAI YUAN	
R719	061G0402223 JT	RST CHIP 22K 1/16W 5% TZAI YUAN	
R702	061G0402223 JT	RST CHIP 22K 1/16W 5% TZAI YUAN	
R701	061G0402223 JT	RST CHIP 22K 1/16W 5% TZAI YUAN	
R454	061G0402223 JT	RST CHIP 22K 1/16W 5% TZAI YUAN	
R116	061G0402223 JT	RST CHIP 22K 1/16W 5% TZAI YUAN	
R416	061G0402224 JF	RST CHIPR 220KOHM +-5% 1/16W FENGHUA	

R416	061G0402224 JT	RST CHIP 220K 1/16W 5% TZAI YUAN	
R405	061G04023901FF	RST CHIPR 3.9KOHM +-1% 1/16W FENGHUA	
R404	061G04023901FF	RST CHIPR 3.9KOHM +-1% 1/16W FENGHUA	
R401	061G04023901FF	RST CHIPR 3.9KOHM +-1% 1/16W FENGHUA	
R401	061G04023901FT	RST 0402 3.9K 1% 1/16W TZAI YUAN	
R404	061G04023901FT	RST 0402 3.9K 1% 1/16W TZAI YUAN	
R405	061G04023901FT	RST 0402 3.9K 1% 1/16W TZAI YUAN	
R408	061G04024700FF	RST CHIP 470R 1/16W 1% FENGHUA	
R408	061G04024700FT	RST CHIP 470R 1/16W 1%	
R774	061G04024702FF	RST CHIPR 0402 47K +-1% 1/16W FENGHUA	
R774	061G04024702FT	RST CHIPR 0402 47K +-1% 1/16W TZAI YUAN	
R142	061G0402471 JF	RST CHIPR 470 OHM 5% 1/16W FENGHUA	
R142	061G0402471 JT	RST CHIP 470R 1/16W 5% TZAI YUAN	
R775	061G0402472 JF	RST CHIPR 4.7KOHM +-5% 1/16W FENGHUA	
R721	061G0402472 JF	RST CHIPR 4.7KOHM +-5% 1/16W FENGHUA	
R422	061G0402472 JF	RST CHIPR 4.7KOHM +-5% 1/16W FENGHUA	
R115	061G0402472 JF	RST CHIPR 4.7KOHM +-5% 1/16W FENGHUA	
R114	061G0402472 JF	RST CHIPR 4.7KOHM +-5% 1/16W FENGHUA	
R114	061G0402472 JT	RST CHIP 4K7 1/16W 5% TZAI YUAN	
R115	061G0402472 JT	RST CHIP 4K7 1/16W 5% TZAI YUAN	
R422	061G0402472 JT	RST CHIP 4K7 1/16W 5% TZAI YUAN	
R721	061G0402472 JT	RST CHIP 4K7 1/16W 5% TZAI YUAN	
R775	061G0402472 JT	RST CHIP 4K7 1/16W 5% TZAI YUAN	
R120	061G04027509FF	RST CHIPR 75 OHM +-1% 1/16W FENGHUA	
R112	061G04027509FF	RST CHIPR 75 OHM +-1% 1/16W FENGHUA	
R107	061G04027509FF	RST CHIPR 75 OHM +-1% 1/16W FENGHUA	
R120	061G04027509FT	RST CHIP 75R 1/16W 1%	
R112	061G04027509FT	RST CHIP 75R 1/16W 1%	
R107	061G04027509FT	RST CHIP 75R 1/16W 1%	
R122	061G0603000 JF	RST CHIPR MAX 0R05 1/10W FENGHUA	
R122	061G0603000 JT	RST CHIP MAX 0R05 1/10W TZAI YUAN	
R418	061G0603471 JF	RST CHIPR 470OHM +-5% 1/10W FENGHUA	
R418	061G0603471 JY	RST CHIPR 470 OHM 5% 1/10W YAGEO	
R417	061G0603561 JF	RST CHIP 560R 1/10W 5% FENGHUA	
R417	061G0603561 JT	RST CHIPR 560OHM +-5% 1/10W TZAI YUAN	
R727	061G0805000 JF	RST CHIPR 0 OHM +-5% 1/8W FENGHUA	
FB701	061G0805000 JT	RST 0805 0.05R MAX 1/8W	
R727	061G0805000 JT	RST 0805 0.05R MAX 1/8W	
R448	061G1206221 JF	RST CHIPR 220 OHM +-5% 1/4W FENGHUA	
R449	061G1206221 JF	RST CHIPR 220 OHM +-5% 1/4W FENGHUA	

R449	061G1206221 JT		RST CHIPR 220 OHM +-5% 1/4W TZAI YUAN	
R448	061G1206221 JT		RST CHIPR 220 OHM +-5% 1/4W TZAI YUAN	
C120	065G040210232K	T	CAP CHIP 0402 1000PF 50V X7R	
C120	065G040210232K	Y	CAP CHIP 0402 1N 50V X7R +/-10%	
C422	065G040210332K	A	CAP 0402 10NF 10% 50V X7R	
C424	065G040210332K	A	CAP 0402 10NF 10% 50V X7R	
C425	065G040210332K	A	CAP 0402 10NF 10% 50V X7R	
C434	065G040210332K	A	CAP 0402 10NF 10% 50V X7R	
C701	065G040210332K	A	CAP 0402 10NF 10% 50V X7R	
C703	065G040210332K	A	CAP 0402 10NF 10% 50V X7R	
C704	065G040210332K	A	CAP 0402 10NF 10% 50V X7R	
C706	065G040210332K	A	CAP 0402 10NF 10% 50V X7R	
C707	065G040210332K	A	CAP 0402 10NF 10% 50V X7R	
C712	065G040210332K	A	CAP 0402 10NF 10% 50V X7R	
C713	065G040210332K	A	CAP 0402 10NF 10% 50V X7R	
C773	065G040210332K	A	CAP 0402 10NF 10% 50V X7R	
C420	065G040210332K	A	CAP 0402 10NF 10% 50V X7R	
C113	065G040210332K	A	CAP 0402 10NF 10% 50V X7R	
C114	065G040210332K	A	CAP 0402 10NF 10% 50V X7R	
C402	065G040210332K	A	CAP 0402 10NF 10% 50V X7R	
C403	065G040210332K	A	CAP 0402 10NF 10% 50V X7R	
C405	065G040210332K	A	CAP 0402 10NF 10% 50V X7R	
C415	065G040210332K	A	CAP 0402 10NF 10% 50V X7R	
C417	065G040210332K	A	CAP 0402 10NF 10% 50V X7R	
C418	065G040210332K	A	CAP 0402 10NF 10% 50V X7R	
C419	065G040210332K	A	CAP 0402 10NF 10% 50V X7R	
C422	065G040210332K	Y	CAP CHIP 0402 10N 50V X7R +/-10%	
C424	065G040210332K	Y	CAP CHIP 0402 10N 50V X7R +/-10%	
C425	065G040210332K	Y	CAP CHIP 0402 10N 50V X7R +/-10%	
C434	065G040210332K	Y	CAP CHIP 0402 10N 50V X7R +/-10%	
C701	065G040210332K	Y	CAP CHIP 0402 10N 50V X7R +/-10%	
C703	065G040210332K	Y	CAP CHIP 0402 10N 50V X7R +/-10%	
C704	065G040210332K	Y	CAP CHIP 0402 10N 50V X7R +/-10%	
C706	065G040210332K	Y	CAP CHIP 0402 10N 50V X7R +/-10%	
C707	065G040210332K	Y	CAP CHIP 0402 10N 50V X7R +/-10%	
C712	065G040210332K	Y	CAP CHIP 0402 10N 50V X7R +/-10%	
C713	065G040210332K	Y	CAP CHIP 0402 10N 50V X7R +/-10%	
C773	065G040210332K	Y	CAP CHIP 0402 10N 50V X7R +/-10%	
C420	065G040210332K	Y	CAP CHIP 0402 10N 50V X7R +/-10%	
C113	065G040210332K	Y	CAP CHIP 0402 10N 50V X7R +/-10%	

C114	065G040210332K	Y	CAP CHIP 0402 10N 50V X7R +/-10%	
C402	065G040210332K	Y	CAP CHIP 0402 10N 50V X7R +/-10%	
C403	065G040210332K	Y	CAP CHIP 0402 10N 50V X7R +/-10%	
C405	065G040210332K	Y	CAP CHIP 0402 10N 50V X7R +/-10%	
C415	065G040210332K	Y	CAP CHIP 0402 10N 50V X7R +/-10%	
C417	065G040210332K	Y	CAP CHIP 0402 10N 50V X7R +/-10%	
C418	065G040210332K	Y	CAP CHIP 0402 10N 50V X7R +/-10%	
C419	065G040210332K	Y	CAP CHIP 0402 10N 50V X7R +/-10%	
C408	065G040210412K	3	CAP CHIP 0402 100N 16V X7R +/-10%	
C409	065G040210412K	3	CAP CHIP 0402 100N 16V X7R +/-10%	
C409	065G040210412K	Y	CAP 0402 100NF 10% 16V X7R	
C408	065G040210412K	Y	CAP 0402 100NF 10% 16V X7R	
C427	065G040210425K	T	CAP 0402 100NF 10% 25V X5R	
C414	065G0402105A5K	M	CAP 0402 1UF 10% 10V X5R	
C414	065G0402105A5K	T	CAP 0402 1UF 10% 10V X5R	
C181	065G040222031J	T	CAP CHIP 0402 22PF J 50V NPO	
C182	065G040222031J	T	CAP CHIP 0402 22PF J 50V NPO	
C426	065G040222031J	T	CAP CHIP 0402 22PF J 50V NPO	
C428	065G040222031J	T	CAP CHIP 0402 22PF J 50V NPO	
C428	065G040222031J	Y	CAP CHIP 0402 22P 50V NP0 +/-5%	
C426	065G040222031J	Y	CAP CHIP 0402 22P 50V NP0 +/-5%	
C182	065G040222031J	Y	CAP CHIP 0402 22P 50V NP0 +/-5%	
C181	065G040222031J	Y	CAP CHIP 0402 22P 50V NP0 +/-5%	
C771	065G040222415K	A	CAP 0402 220NF 10% 16V X5R	
C101	065G040222415K	M	CAP 0402 220NF 10% 16V X5R	
C429	065G040222415K	M	CAP 0402 220NF 10% 16V X5R	
C715	065G040222415K	M	CAP 0402 220NF 10% 16V X5R	
C718	065G040222415K	M	CAP 0402 220NF 10% 16V X5R	
C771	065G040222415K	T	CAP CHIP 0402 220NF K 16V X5R	
C718	065G040222415K	T	CAP CHIP 0402 220NF K 16V X5R	
C715	065G040222415K	T	CAP CHIP 0402 220NF K 16V X5R	
C429	065G040222415K	T	CAP CHIP 0402 220NF K 16V X5R	
C101	065G040222415K	T	CAP CHIP 0402 220NF K 16V X5R	
C110	065G040247312K	T	CAP 0402 47NF 10% 16V X7R	
C108	065G040247312K	T	CAP 0402 47NF 10% 16V X7R	
C107	065G040247312K	T	CAP 0402 47NF 10% 16V X7R	
C105	065G040247312K	T	CAP 0402 47NF 10% 16V X7R	
C104	065G040247312K	T	CAP 0402 47NF 10% 16V X7R	
C102	065G040247312K	T	CAP 0402 47NF 10% 16V X7R	
C110	065G040247312K	Y	CAP 0402 47NF 10% 16V X7R	

C108	065G040247312K	Y	CAP 0402 47NF 10% 16V X7R	
C107	065G040247312K	Y	CAP 0402 47NF 10% 16V X7R	
C105	065G040247312K	Y	CAP 0402 47NF 10% 16V X7R	
C104	065G040247312K	Y	CAP 0402 47NF 10% 16V X7R	
C102	065G040247312K	Y	CAP 0402 47NF 10% 16V X7R	
C109	065G040250931C	3	CAP CHIP 0402 5PF 50V NP0 +/-0.25PF	
C103	065G040250931C	3	CAP CHIP 0402 5PF 50V NP0 +/-0.25PF	
C106	065G040250931C	3	CAP CHIP 0402 5PF 50V NP0 +/-0.25PF	
C772	065G060310432K	A	CAP 0603 100NF 10% 50V X7R	
C772	065G060310432K	F	CAP CHIP 0603 0.1UF K 50V X7R	
C401	065G0805475A2K	3	CAP 0805 4.7UF 10% 10V X7R	
C404	065G0805475A2K	3	CAP 0805 4.7UF 10% 10V X7R	
C413	065G0805475A2K	3	CAP 0805 4.7UF 10% 10V X7R	
C416	065G0805475A2K	3	CAP 0805 4.7UF 10% 10V X7R	
C421	065G0805475A2K	3	CAP 0805 4.7UF 10% 10V X7R	
C423	065G0805475A2K	3	CAP 0805 4.7UF 10% 10V X7R	
FB409	071G 56K121		HF CHIP BEAD 0805 120R 25%	
FB408	071G 56V301 TA		CHIP BD 0805 300R/700MA FCM2012VF-301T07	
FB407	071G 56V301 TA		CHIP BD 0805 300R/700MA FCM2012VF-301T07	
FB405	071G 56V301 TA		CHIP BD 0805 300R/700MA FCM2012VF-301T07	
FB404	071G 56V301 TA		CHIP BD 0805 300R/700MA FCM2012VF-301T07	
FB402	071G 56V301 TA		CHIP BD 0805 300R/700MA FCM2012VF-301T07	
FB401	071G 56V301 TA		CHIP BD 0805 300R/700MA FCM2012VF-301T07	
D101	093G 64 42 P		BAV70 SOT23 BY PAN JIT	
ZD101	093G 39S 24 T		RLZ 5.6B LLDS	
C410	093G 64S501 SU		ESD MLVS0402M04 4V 402	
C411	093G 64S501 SU		ESD MLVS0402M04 4V 402	
C412	093G 64S501 SU		ESD MLVS0402M04 4V 402	
CN409	311GF050B40ADH		FFC CONN 0.5MM 40P	
	715G4870M01000004L		MAIN PCB FR4 DS 80X72X1.6MM	
	H40G 45762429A		LABEL	
	KEPC9QHL		KEY BOARD	
SW001	077G 500 5J XL		DOME SWITCH 5PCS	
CN001	033G8032 6F X		WAFER 6P 1.25MM	
CN001	033G8032 6F HR		CONNECTOR 6P 1.25	2nd source
R003	061G0603000 JI		RST 0603 0.05R MAX 1/10W TA-I	
R003	061G0603000 JT		RST CHIP MAX 0R05 1/10W TZAI YUAN	
R005	061G0603102 JI		TEST ONLY RST 0603 1K 5% 1/10W TA-I	
R002	061G0603202 JI		RST 0603 2K 5% 1/16W TA-I	
R004	061G0603202 JI		RST 0603 2K 5% 1/16W TA-I	

R004	061G0603202 JT	RST 0603 2K 5% 1/10W	
R002	061G0603202 JT	RST 0603 2K 5% 1/10W	
C003	065G060310432K A	CAP 0603 100NF 10% 50V X7R	
C004	065G060310432K A	CAP 0603 100NF 10% 50V X7R	
C003	065G060310432K F	CAP CHIP 0603 0.1UF K 50V X7R	
C004	065G060310432K F	CAP CHIP 0603 0.1UF K 50V X7R	
LED01	081G 14 12 GP	CHIP LED GPTD1210YBC5-D	
LED01	081G 14 12 KT	CHIP LED	
E715	715G3584K01000004F	KEY PCB FR4 130X11X1.6MM DS	
E715	715G3584K01000004K	KEY PCB FR4 130X11X1.6MM DS	2nd source
R005	061G0603102 JT	RST CHIP 1K 1/10W 5% TZAI YUAN	
	ADPCA1503QWV	ADAPTER BOARD G3189-P02-LED-X-19-101108	
GND1	009G6005 1	GROUND TERMINAL	
GND2	009G6005 1	GROUND TERMINAL	
GND3	009G6005 1	GROUND TERMINAL	
CN902	033G3278 9DK2W AC	WAFER 2.5MM 9P(2P NC) FOR ACER	2nd source
CN902	033G3278 9DK2X AC	WAFER 2.5MM 9P(2P NC) V/T 25MM	
CN903	033G380210B Y L	CONNECTOR 10P 2.0	
CN903	033G380210B Y W	WAFER	2nd source
IC902	056G 139 3A	PC123Y22FZOF SHARP	
NR901	061G 58 9T	RST NTCR 10 OHM +-20% 5A THINKING	
C904	063G107K474 6S	0.47UF +-10%	
C904	063G107K474 US	NO-SUGGEST 0.47UF +-10%	
C902	065G306K3312B3	Y1 CAP 330PF K 250VAC CD	
C903	065G306K3312B3	Y1 CAP 330PF K 250VAC CD	
C903	065G306K3312BM	CAP Y1 330PF 10% 250V Y5P	
C902	065G306K3312BM	CAP Y1 330PF 10% 250V Y5P	
C900	065G306M1022BP	CAP Y1 1NF 20% 250V Y5U	
C918	067G 3151007KV	CAP 105C 10UF M 50V	
C907	067G 40Z10115K	CAP 105C 100UF M 450V	
C907	067G 40Z10115L	EC 100UF 450V M 18*36MM	
C912	067G215D1024KV	LOW ESR EC 1000UF 25V M 12.5*20MM	
C914	067G215S4713KV	EC 470UF 20% 16V 10X13	
C914	067G215S4713LV	LOW ESR EC 470UF 16V M 10*12.5MM	
L901	073G 174 65 H2	LINE FILTER 30MH MIN	
L901	073G 174 65 S2	LINE FILTER 30MH MIN	
L902	073G 253 91 H	IND CHOKE 3.5UH+-10% DADONG	
L903	073G 253 91 H	IND CHOKE 3.5UH+-10% DADONG	
L902	073G 253 91 HP	CHOKE COIL 3.5UH VOC	
L903	073G 253 91 HP	CHOKE COIL 3.5UH VOC	

T901	080GL19P 1 H	X'FMR 1.1MH 10% 20UH MAX BCK-12510-HA	
T901	080GL19P 1 L	POWER X'FMR 1.1MH 10% PT-0112045-2	
T901	080GL19P 1 N	X'FMR 1.1MH 10% 20UH MAX YUVA-1208	
CN901	087G 501 32 S	AC SOCKET ST-01CP-BCE-R	2nd source
CN901	087G 501 32 DL	AC SOCKET DIP 3PIN+2PIN GROUND	
BD901	093G 50460 28	BRIDGE DIODE KBP208G LITEON	
BD901	093G 50460502	BRIDGE KBP206G C2	
D906	093G 60272	RECTIFIER SR540-MK23 5A 40V DO-27	
D904	093G 60272	RECTIFIER SR540-MK23 5A 40V DO-27	
D903	093G 60520	DIODE SR5100-MK23 5A/100V DO-27 SECOS	
D905	093G 60520	DIODE SR5100-MK23 5A/100V DO-27 SECOS	
D904	093G 60923	DIODE SR504-30 DO-201AD	
D906	093G 60923	DIODE SR504-30 DO-201AD	
D903	093G 60924	DIODE SR510-22 DO-201AD	
D905	093G 60924	DIODE SR510-22 DO-201AD	
	705GQ956024	IC901 ASS'Y	
IC901	056G 581 20	IC TOP255EN ESIP-7C	
	0M1G 930 8120	SCREW 3X8	
	Q11G0026 1	WIRE-CLIP	
HS1	Q90G6263 6	HEAT SINK	
R623	061G0603000 JF	RST CHIPR MAX 0R05 1/10W FENGHUA	
R628	061G0603000 JF	RST CHIPR MAX 0R05 1/10W FENGHUA	
R917	061G06031001FT	RST CHIP 1K 1/10W 1%	
R917	061G06031001FY	RST CHIPR 1KOHM +-1% 1/10W YAGEO	
R913	061G06031002FT	RST CHIP 10K 1/10W 1%	
R912	061G0603103 JI	RST 0603 10K 5% 1/10W	
R912	061G0603103 JT	RST CHIP 10K 1/10W 5% TZAI YUAN	
R916	061G0603471 JF	RST CHIPR 470OHM +-5% 1/10W FENGHUA	
R916	061G0603471 JY	RST CHIPR 470 OHM 5% 1/10W YAGEO	
R915	061G06039311FF	RST CHIPR 9.31KOHM +-1% 1/10W FENGHUA	
R915	061G06039311FY	RST CHIPR 9.31KOHM +-1% 1/10W YAGEO	
R923	061G08051002FF	RST CHIPR 10KOHM +-1% 1/8W FENGHUA	
R923	061G08051002FT	RST CHIP 10K 1/8W 1%	
R923	061G08051002FY	RST CHIP 10K 1/8W 1%	
R903	061G08051102FY	RST CHIP 11K 1/8W 1%	
R924	061G0805689 JI	RST CHIPR 6.8 OHM +-5% 1/8W 0805	
R924	061G0805689 JT	RST CHIPR 6.8 OHM +-5% 1/8W 0805	
R925	061G08058202FF	RST CHIPR 82KOHM +-1% 1/8W FENGHUA	
R925	061G08058202FT	RST CHIPR 82K +-1% 1/8W TZAI YUAN	
R927	061G12060004JY	RST CHIPR MAX0R05 4A 1/4W YAGEO	

R910	061G1206101 JT	RST CHIPR 100 OHM +-5% 1/4W TZAI YUAN	
R926	061G1206229 JY	RST 1206 2.2R 5% 1/4W	
R904	061G1206300 JF	RST CHIPR 30 OHM +-5% 1/4W FENGHUA	
R905	061G1206300 JF	RST CHIPR 30 OHM +-5% 1/4W FENGHUA	
R906	061G1206300 JF	RST CHIPR 30 OHM +-5% 1/4W FENGHUA	
R907	061G1206300 JF	RST CHIPR 30 OHM +-5% 1/4W FENGHUA	
R908	061G1206300 JF	RST CHIPR 30 OHM +-5% 1/4W FENGHUA	
R909	061G1206300 JF	RST CHIPR 30 OHM +-5% 1/4W FENGHUA	
R904	061G1206300 JI	RST 30 OHM 5% 1/4W TA-I	
R905	061G1206300 JI	RST 30 OHM 5% 1/4W TA-I	
R906	061G1206300 JI	RST 30 OHM 5% 1/4W TA-I	
R907	061G1206300 JI	RST 30 OHM 5% 1/4W TA-I	
R908	061G1206300 JI	RST 30 OHM 5% 1/4W TA-I	
R909	061G1206300 JI	RST 30 OHM 5% 1/4W TA-I	
R922	061G1206335 JT	RST CHIPR 3.3 MOHM +-5% 1/4W TZAI YUAN	
R921	061G1206335 JT	RST CHIPR 3.3 MOHM +-5% 1/4W TZAI YUAN	
R920	061G1206335 JT	RST CHIPR 3.3 MOHM +-5% 1/4W TZAI YUAN	
R900	061G1206624 JT	RST CHIPR 620 KOHM +-5% 1/4W TZAI YUAN	
R901	061G1206624 JT	RST CHIPR 620 KOHM +-5% 1/4W TZAI YUAN	
R902	061G1206624 JT	RST CHIPR 620 KOHM +-5% 1/4W TZAI YUAN	
C916	065G060310312K Y	CAP CHIP 0603 10NF K 16V X7R	
C905	065G080510432K A	CAP CHIP 0805 0.1UF K 50V X7R	
C905	065G080510432K F	CAP CHIP 0805 0.1UF K 50V X7R	
C915	065G080510432K Y	CAP CHIP 0805 100N 50V X7R +/-10%	
C917	065G080510432K Y	CAP CHIP 0805 100N 50V X7R +/-10%	
C901	065G080582031J Y	CAP CHIP 0805 82P 50V NP0 +/-5%	
C910	065G120622272K Y	CER 1206 2N2 500V X7R 10%	
C911	065G120622272K Y	CER 1206 2N2 500V X7R 10%	
C919	065G120622272K Y	CER 1206 2N2 500V X7R 10%	
C920	065G120622272K Y	CER 1206 2N2 500V X7R 10%	
C920	065G1206222B2K 3	CER 1206 2N2 500V X7R 10%	
C919	065G1206222B2K 3	CER 1206 2N2 500V X7R 10%	
C911	065G1206222B2K 3	CER 1206 2N2 500V X7R 10%	
C910	065G1206222B2K 3	CER 1206 2N2 500V X7R 10%	
C910	065G1206222B2K M	CAP 1206 2.2NF 10% 630V X7R	
C911	065G1206222B2K M	CAP 1206 2.2NF 10% 630V X7R	
C919	065G1206222B2K M	CAP 1206 2.2NF 10% 630V X7R	
C920	065G1206222B2K M	CAP 1206 2.2NF 10% 630V X7R	
CN901	006G 31500	EYELET	
IC903	056G 158 12	SHUNT REGULATOR KIA431A-AT/P TO-92	

Q901	057G 530503 T	2SD1207T	
Q901	057G 761 16	TRA KTD1028 KEC	
R919	061G152M10452T	NO-SUGGEST RST MOFR 100KOHM +-5% 2WS	
R918	061G152M25152T	RST MOFR 250 OHM +-5% 2WS	
C906	065G 2K152 2T6921	CAP CER 1500PF K 2KV Y5P	
C913	067G 2046812KT	CS CAP 680UF 10V 8*11 MM	
C913	067G 2046812LT	CAP CS 680UF 20% 10V 8*11.5	
C908	067G 2154707NT	KY50VB47M-TP5 6.3*11	
C908	067G 2154707RT	47UF +-20% 50V	
FB902	071G 55 9 T	BEAD 3.5*0.8*6.0MM 110R HF	
FB603	071G 55 29	FERRITE BEAD	
F901	084G 55 5	FUSE 2.5A 250V	
F902	084G 56 4 B	FUSE 4A 250V	
ZD902	093G 3916752T	MTZJ T-72 16B	
ZD901	093G 3918252T	ZENER MTZJ T-72 18B 16.82 0.5 DO-34	
ZD902	093G 3954752T	DIODE MTZJ16B SEMTECH	
ZD901	093G 39A0852T	GDZJ18B	
D902	093G 6026T52T	CTIFIER DIODE FR107	
D901	093G 6038T52T	FR103 AO	
J617	095G 90 23	JUMPER WIRE	
J906	095G 90 23	JUMPER WIRE	
J905	095G 90 23	JUMPER WIRE	
J904	095G 90 23	JUMPER WIRE	
J903	095G 90 23	JUMPER WIRE	
J902	095G 90 23	JUMPER WIRE	
J900	095G 90 23	JUMPER WIRE	
J616	095G 90 23	JUMPER WIRE	
J615	095G 90 23	JUMPER WIRE	
J609	095G 90 23	JUMPER WIRE	
J608	095G 90 23	JUMPER WIRE	
J601	095G 90 23	JUMPER WIRE	
E715	715G3189P02LED001M	PWR PCB FR1 SS 152*122*1.6MM	2nd source
E715	715G3189P02LED001S	PWR PCB FR1 SS 152X122*1.6MM	
	H40G 45762429A	LABEL	
T901	S80GL19P1V	XFMR FOR POWER 1.06MH TPV-PT	